

AV-28WFT1EPG AV-28WFT1EIS  
AV-28WFT1EPS AV-32WFT1EPG  
AV-28WFT1EKS AV-32WFT1EPS  
AV-28WFT1EK AV-32WFT1EKS

**JVC**

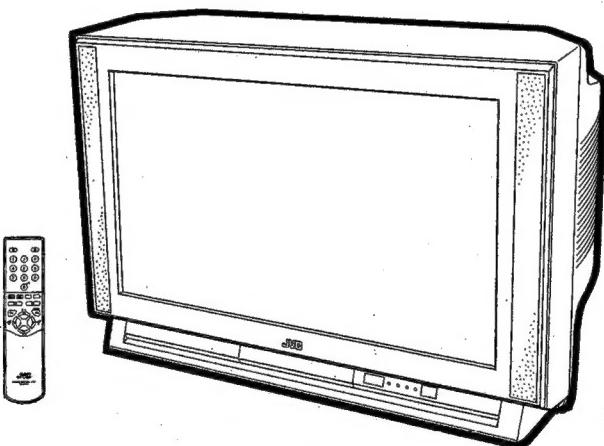
# SERVICE MANUAL

COLOUR TELEVISION

BASIC CHASSIS

JK

**AV-28WFT1EPG      AV-32WFT1EPG**  
**AV-28WFT1EPS      AV-32WFT1EPS**  
**AV-28WFT1EIS      AV-32WFT1EKS**  
**AV-28WFT1EKS**  
**AV-28WFT1EK**



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AV-28WFT1EPG AV-28WFT1EIS

AV-28WFT1EPS

AV-28WFT1EKS

AV-28WFT1EK

# SPECIFICATIONS

| Item                                  | Content   |   |                               |
|---------------------------------------|---|---|-------------------------------|
|                                       | AV-28WFT1EPG/AV-28WFT1EPS   | AV-28WFT1EK/AV-28WFT1EKS                                | AV-28WFT1EIS                  |
| Dimensions ( W x H x D )<br>Mass      | 780mm x 509mm x 499mm<br>39.0kg   | ↔<br>↔  | ↔                             |
| TV RF System                          | CCIR (B/G, I, L)  | CCIR (I)  | CCIR (I)                      |
| Colour System                         | PAL / SECAM / NTSC (Only in EXT mode)   | PAL / NTSC (Only in EXT mode)                           | PAL / NTSC (Only in EXT mode) |
| Stereo System                         | A2 / NICAM  | NICAM   | NICAM                         |
| Teletext System                       | Fastext (United Kingdom system)<br>TOP (German system)<br>WST(Standard system)  | Fastext (United Kingdom system)<br>WST(Standard system) | ↔                             |
| Receiving Frequency                   |   |   |                               |
| VHF                                   | 47MHz ~ 470MHz  | —   | 47MHz ~ 470MHz                |
| UHF                                   | 470MHz ~ 862MHz   | 470MHz ~ 862MHz   | 470MHz ~ 862MHz               |
| French CA TV                          | 116MHz ~ 172MHz / 220MHz ~ 469MHz   | —   | —                             |
| Intermediate Frequency                |   |   |                               |
| VIF Carrier                           | 38.9MHz (B/G, I, L) / 33.95MHz (L')   | 38.9MHz (I)   | 38.9MHz (I)                   |
| SIF Carrier                           | 33.4MHz (5.5MHz:B/G) / 32.9MHz (6.0MHz:I) / 32.4MHz (6.5MHz:L) / 27.45MHz (6.5MHz:L')   | 32.9MHz (6.0MHz:I)                                      | 32.9MHz (6.0MHz:I)            |
| Colour Sub Carrier Freq.              |   |   |                               |
| PAL                                   | 4.43MHz   | 4.43MHz   | 4.43MHz                       |
| SECAM                                 | 4.40625MHz / 4.25MHz  | —   | —                             |
| NTSC                                  | 3.58MHz / 4.43MHz   | 3.58MHz / 4.43MHz                                       | 3.58MHz / 4.43MHz             |
| Power Input                           | AC 220V~240V, 50Hz  | ↔   | ↔                             |
| Power Consumption                     | 168W(Max) / 115W(Avg),<br>115W/h(ITALY)   | —   | —                             |
| Aerial Input Term                     | 75Ω unbalanced, Coaxial   | ↔   | ↔                             |
| Picture Tube                          | Visible size : 66cm, Measured diagonally  | ↔   | ↔                             |
| High Voltage                          | 31.0kV +1kV -1.5kV (at zero beam current)   | ↔   | ↔                             |
| Speaker                               | 16 x 4cm Oval Type x 2  | ↔   | ↔                             |
| Audio Output                          | 7.5W + 7.5W   | ↔   | ↔                             |
| EXT-1/EXT-2/EXT-3<br>(Input / Output) | 21-pin Euro connector (SCART socket)  | ↔   | ↔                             |
| EXT-4 (Input)                         | 1Vp-p 75Ω (RCA pin jack)  |   |                               |
| Audio(L/R)                            | 500mVrms (-4dBs), High Impedance (RCA pin jack)   |   |                               |
| S / Video                             | Y : 1Vp-p POSITIVE (Negative sync Provided, when terminated with 75Ω)<br>C : 0.286Vp-p (Burst signal, when terminated with 75Ω) | ↔   | ↔                             |
| AUDIO OUT (Variable)                  | 0~1Vrms, Low Impedance (RCA pin jack x 2)   | ↔   | ↔                             |
| Headphone jack                        | Stereo mini jack (φ3.5mm)   | ↔   | ↔                             |
| Remote Control Unit                   | RM-C50 (AAA/R03 dry battery x 2)  | RM-C51 (AAA/R03 dry battery x 2)                        | ↔                             |

Design &amp; specifications are subject to change without notice.

# SPECIFICATIONS

| Item                                  | Content   |   |
|---------------------------------------|---|---|
|                                       | AV-32WFT1EPG/AV-32WFT1EPS   | AV-32WFT1EKS  |
| Dimensions ( W x H x D )<br>Mass      | 855mm x 550mm x 568mm<br>56.5kg   | ←<br>←  |
| TV RF System                          | CCIR (B/G, I ,L)  | CCIR (I)  |
| Colour System                         | PAL / SECAM / NTSC (Only in EXT mode)   | PAL / NTSC (Only in EXT mode)                           |
| Stereo System                         | A2 / NICAM  | NICAM   |
| Teletext System                       | Fastext (United Kingdom system)<br>TOP (German system)<br>WST(Standard system)        | Fastext (United Kingdom system)<br>WST(Standard system) |
| Receiving Frequency                   |   |   |
| VHF                                   | 47MHz ~ 470MHz  | _____   |
| UHF                                   | 470MHz ~ 862MHz   | 470MHz ~ 862MHz   |
| French CA TV                          | 116MHz ~ 172MHz / 220MHz ~ 469MHz   | _____   |
| Intermediate Frequency                |   |   |
| VIF Carrier                           | 38.9MHz (B/G, I ,L) / 33.95MHz (L')   | 38.9MHz (I)   |
| SIF Carrier                           | 33.4MHz (5.5MHz:B/G) / 32.9MHz (6.0MHz:I) / 32.4MHz (6.5MHz:L) / 27.45MHz (6.5MHz:L') | 32.9MHz (6.0MHz:I)                                      |
| Colour Sub Carrier Freq.              |   |   |
| PAL                                   | 4.43MHz   | 4.43MHz   |
| SECAM                                 | 4.40625MHz / 4.25MHz  | _____   |
| NTSC                                  | 3.58MHz / 4.43MHz   | 3.58MHz / 4.43MHz                                       |
| Power Input                           | AC 220V~240V , 50Hz   | ←   |
| Power Consumption                     | 172W(Max) / 121W(Avg)   | _____   |
|                                       | 121W/h(ITALY)   | _____   |
| Aerial Input Term                     | 75Ω unbalanced, Coaxial   | ←   |
| Picture Tube                          | Visible size : 76cm, Measured diagonally  | ←   |
| High Voltage                          | +1kV<br>31.0kV -1.5kV (at zero beam current)  | ←   |
| Speaker                               | Ø 10cm round x 2  | ←   |
| Audio Output                          | 7.5W + 7.5W   | ←   |
| EXT-1/EXT-2/EXT-3<br>(Input / Output) | 21-pin Euro connector<br>(SCART socket)   | ←   |
| EXT-4 (Input)                         | 1Vp-p 75Ω(RCA pin jack)   | _____   |
| Video                                 | 500mVrms( -4dBs ), High Impedance ( RCA pin jack )                                    | _____   |
| Audio(L/R)                            | Y : 1Vp-p POSITIVE (Negative sync Provided, when terminated with 75Ω)                 | ←   |
| S / Video                             | C : 0.286Vp-p (Burst signal, when terminated with 75Ω)                                | _____   |
| AUDIO OUT                             | 0~1Vrms, Low Impedance<br>(RCA pin jack)  | ←   |
| Headphone jack                        | Stereo mini jack ( Ø 3.5mm )  | _____   |
| Remote Control Unit                   | RM-C50 (AAA/R03 dry battery x 2)  | RM-C51 (AAA/R03 dry battery x 2)                        |

Design & specifications are subject to change without notice.

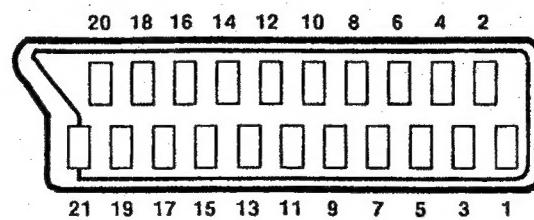
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 AV-28WFT1EK AV-32WFT1EKS

## ■ 21-pin Euro connector (SCART socket) : EXT-1 / EXT-2 / EXT-3

(P-P= Peak to Peak, S-W= Sync tip to white peak, B-W= Blanking to white peak)

| Pin No. | Signal Designation    | Matching Value   | EXT-1         | EXT-2           | EXT-3         |
|---------|-----------------------|--|---------------|-----------------|---------------|
| 1       | AUDIO R output        | 500mVrms(Nominal), Low impedance                                 | ○<br>(TV OUT) | ○<br>(LINE OUT) | NC            |
| 2       | AUDIO R input         | 500mVrms(Nominal), High impedance                                | ○             | ○               | ○             |
| 3       | AUDIO L output        | 500mVrms(Nominal), Low impedance                                 | ○<br>(TV OUT) | ○<br>(LINE OUT) | NC            |
| 4       | AUDIO GND             |  | ○             | ○               | ○             |
| 5       | GND (B)               |  | ○             | ○               | ○             |
| 6       | AUDIO L input         | 500mVrms(Nominal), High impedance                                | ○             | ○               | ○             |
| 7       | B input               | 700mV <sub>B-W</sub> , 75Ω                                       | ○             | NC              | NC            |
| 8       | FUNCTON SW (SLOW SW)  | Low : 0-3V, High : 8-12V, High impedance                         | ○             | ○               | ○             |
| 9       | GND (G)               |  | ○             | ○               | ○             |
| 10      | SCL3                  |  | NC            | ○               | NC            |
| 11      | G input               | 700mV <sub>B-W</sub> , 75Ω                                       | ○             | NC              | NC            |
| 12      | SDA3                  |  | NC            | ○               | NC            |
| 13      | GND (R)               |  | ○             | ○               | ○             |
| 14      | GND (Y <sub>s</sub> ) |  | ○             | NC              | NC            |
| 15      | R / C input           | R : 700mV <sub>B-W</sub> , 75Ω<br>C : 300mV <sub>P-P</sub> , 75Ω | ○<br>(only R) | ○<br>(only C)   | ○<br>(only C) |
| 16      | Y <sub>s</sub> input  | Low : 0 - 0.4, High : 1 - 3V, 75Ω                                | ○             | NC              | NC            |
| 17      | GND(VIDEO output)     |  | ○             | ○               | ○             |
| 18      | GND(VIDEO input)      |  | ○             | ○               | ○             |
| 19      | VIDEO output          | 1V <sub>P-P</sub> (Negative going sync), 75Ω                     | ○<br>(TV)     | ○<br>(LINE OUT) | NC            |
| 20      | VIDEO / Y input       | 1V <sub>P-P</sub> (Negative going sync), 75Ω                     | ○             | ○               | ○             |
| 21      | COMMON GND            |  | ○             | ○               | ○             |

[Pin assignment]



# SAFETY PRECAUTIONS

AV-28WFT1EIS / AV-28WFT1EK

AV-32WFT1EKS / AV-28WFT1EKS

1. The design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
2. Alterations of the design or circuitry of the product should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
3. Many electrical and mechanical parts in the product have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which

have these special safety characteristics are identified in the Parts List of Service Manual. Electrical components having such features are identified by shading on the schematics and by ( $\Delta$ ) on the Parts List in the Service Manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the Parts List of Service Manual may cause shock, fire, or other hazards.

4. The leads in the products are routed and dressed with ties, clamps, tubing's, barriers and the like to be separated from live parts, high temperature parts, moving parts and / or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after re-assembling.

## WARNING

1. The equipment has been designed and manufactured to meet international safety standards.
2. It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
3. Repairs must be made in accordance with the relevant safety standards.
4. It is essential that safety critical components are replaced by approved parts.
5. If mains voltage selector is provided, check setting for local voltage.

# SAFETY PRECAUTIONS

**AV-28WFT1EPG / AV-32WFT1EPG**

**AV-28WFT1EPS / AV-32WFT1EPS**

- The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
- Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
- Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. **Electrical components having such features are identified by shading on the schematics and by ( $\Delta$ ) on the parts list in Service manual.** The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards.
- Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.**  
Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : ( $\perp$ ) side GND, the ISOLATED(NEUTRAL) : ( $\downarrow$ ) side GND and EARTH : ( $\oplus$ ) side GND. Don't short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or EARTH side GND and never measure with a measuring apparatus (oscilloscope etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND or EARTH side GND at the same time.  
If above note will not be kept, a fuse or any parts will be broken..
- If any repair has been made to the chassis, it is recommended that the B1 setting should be checked or adjusted (See ADJUSTMENT OF B1 POWER SUPPLY).
- The high voltage applied to the picture tube must conform with that specified in Service manual. Excessive high voltage can cause an increase in X-Ray emission, arcing and possible component damage, therefore operation under excessive high voltage conditions should be kept to a minimum, or should be prevented. If severe arcing occurs, remove the AC power immediately and determine the cause by visual inspection (incorrect installation, cracked or melted high voltage harness, poor soldering, etc.). To maintain the proper minimum level of soft X-Ray emission, components in the high voltage circuitry including the picture tube must be the exact replacements or alternatives approved by the manufacturer of the complete product.
- Do not check high voltage by drawing an arc. Use a high voltage meter or a high voltage probe with a VTVM. Discharge the picture tube before attempting meter connection, by connecting a clip lead to the ground frame and connecting the other end of the lead through a  $10k\Omega$  2W resistor to the anode button.
- When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced. Always use the manufacturer's replacement components.

**9. Isolation Check**

**(Safety for Electrical Shock Hazard)**

After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/audio input and output terminals, Control knobs, metal cabinet, screwheads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

**(1) Dielectric Strength Test**

The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 3000V AC (r.m.s.) for a period of one second.

(... Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.)

This method of test requires a test equipment not generally found in the service trade.

**(2) Leakage Current Check**

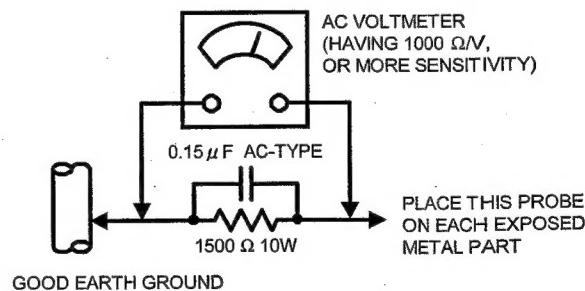
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.).

However, in tropical area, this must not exceed 0.2mA AC (r.m.s.).

**● Alternate Check Method**

Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000 ohms per volt or more sensitivity in the following manner. Connect a  $1500\Omega$  10W resistor paralleled by a  $0.15\mu F$  AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.).

However, in tropical area, this must not exceed 0.3V AC (r.m.s.). This corresponds to 0.2mA AC (r.m.s.).

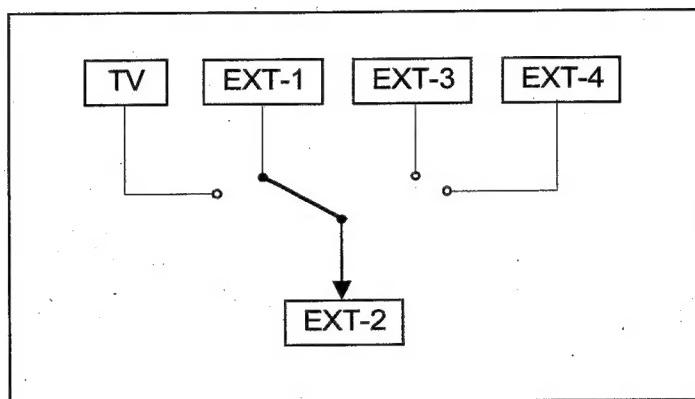


AV-28WFT1EPG AV-28WFT1EIS  
AV-28WFT1EPS AV-32WFT1EPG  
AV-28WFT1EKS AV-32WFT1EPS  
AV-28WFT1EK AV-32WFT1EKS

# FEATURES

- By preference, users can select the picture size from REGULAR, PANORAMIC, FULL, 14:9 ZOOM, 16:9 ZOOM, 16:9 ZOOM SUB TITLE modes. When the TV unit received WSS picture signal, the picture can be changed to 16:9 ZOOM mode automatically.
- The TELETEXT SYSTEM has a built-in FASTEXT, TOP and WST system.
- Because this TV unit corresponds to multiplex broadcast, users can enjoy music programs and sporting events with live realism. In addition, BILINGUAL programs can be heard in their original language.

- Built-in ECO (ECONOMY, ECOLOGY) MODE.  
In accordance with the brightness in a room, the brightness and/or contrast of the picture can be adjusted automatically to make the optimum picture which is easy on the eye.
- Users can make VCR dubbing of picture and sound by controlling the AV selector to select an optional source at the EXT-2 output shown in figure.



AV-28WFT1EPG AV-28WFT1EIS

AV-28WFT1EPS

AV-28WFT1EKS

AV-28WFT1EK

# MAIN DIFFERENCE PARTS LIST (28" MODEL)

| △ | Model Name<br>Part Name          | AV-28WFT1EPG   | AV-28WFT1EPS   | AV-28WFT1EKS   | AV-28WFT1EK    | AV-28WFT1EIS   |
|---|----------------------------------|----------------|----------------|----------------|----------------|----------------|
|   | MAIN PWB                         | SJK-1702A-U2   | ←              | SJK-1902A-U2   | ←              | SJK-1702A-U2   |
|   | AV SEL PWB                       | SJK0S701A-U2   | ←              | SJK0S901A-U2   | ←              | SJK0S701A-U2   |
| △ | POWER CORD                       | QMPK160-185-JC | ←              | QMPN130-185-JC | ←              | ←              |
| △ | FRONT CABINET                    | LC10662-005A-U | LC10662-006A-U | ←              | LC10662-003C-U | LC10662-006A-U |
|   | CONTROL SHEET                    | LC31109-002A-U | LC31109-004A-U | ←              | ←              | ←              |
| △ | REAR COVER                       | LC10664-00C-U  | LC10664-002A-U | ←              | LC10664-00C-U  | LC10664-002A-U |
|   | DOOR (SERVICE)                   | LC20265-003A-U | LC20265-010A-U | ←              | LC20265-006A-U | LC20265-010A-U |
|   | POWER KNOB<br>(SERVICE)          | LC30578-002A-C | LC30578-006A-C | ←              | LC30578-004A-C | LC30578-006A-C |
| △ | RATING LABEL                     | LC20542-003A-U | LC20542-004A-U | LC20091-012A-U | LC20091-014A-U | LC20080-007A-U |
|   | EURO LABEL                       | AEM1039-070-E  | AEM1039-079-E  | AEM1039-072-E  | AEM1039-080-E  | AEM1039-081-E  |
| △ | INST BOOK                        | LCT0619-001A-U | ←              | LCT0621-001A-U | LCT0622-001A-U | ←              |
| △ | INST BOOK                        | LCT0620-001A-U | ←              | —              | —              | —              |
|   | X-RAY CORD                       | AEM1050-001-E  | ←              | —              | —              | —              |
|   | S.DIAGRAM<br>ONLY ITALY(SERVICE) | 2832WFT1-HSAE  | ←              | —              | —              | —              |
|   | REMOCON UNIT                     | RM-C50-1C      | ←              | RM-C51-1C      | ←              | ←              |

AV-32WFT1EPG  
AV-32WFT1EPS  
AV-32WFT1EKS

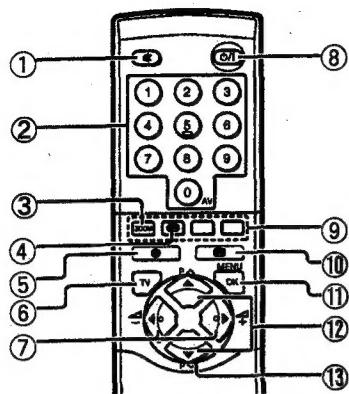
# MAIN DIFFERENCE PARTS LIST (32" MODEL)

| △ | Model Name<br>Part Name           | AV-32WFT1EPG   | AV-32WFT1EPS   | AV-32WFT1EKS   |
|---|-----------------------------------|----------------|----------------|----------------|
|   | MAIN PWB                          | SJK-1701A-U2   | ←              | SJK-1901A-U2   |
|   | AV SEL PWB                        | SJK0S701A-U2   | ←              | SJK0S901A-U2   |
| △ | POWER CORD                        | QMPK160-185-JC | ←              | QMPN130-185-JC |
| △ | FRONT CABINET                     | LC10376-003B-U | LC10376-008A-U | ←              |
|   | CONTROL SHEET                     | LC30597-002A-U | LC30597-006A-U | ←              |
|   | DOOR (SERVICE)                    | LC20265-003A-U | LC20265-010A-U | ←              |
|   | POWER KNOB<br>(SERVICE)           | LC30578-002A-C | LC30578-006A-C | ←              |
| △ | RATING LABEL                      | LC20542-001A-U | LC20542-002A-U | LC20091-011A-U |
|   | EURO LABEL                        | AEM1039-071-E  | AEM1039-077-E  | AEM1039-073-E  |
| △ | REAR COVER                        | LC10378-001D-U | LC10378-003A-U | ←              |
| △ | INST BOOK                         | LCT0619-001A-U | ←              | LCT0621-001A-U |
| △ | INST BOOK                         | LCT0620-001A-U | ←              | —              |
|   | X-RAY CORD                        | AEM1051-001-E  | ←              | —              |
|   | S.DIAGRAM<br>ONLY ITALY (SERVICE) | 2832WFT1-HSAE  | ←              | —              |
|   | REMOCON UNIT                      | RM-C50-1C      | ←              | RM-C51-1C      |

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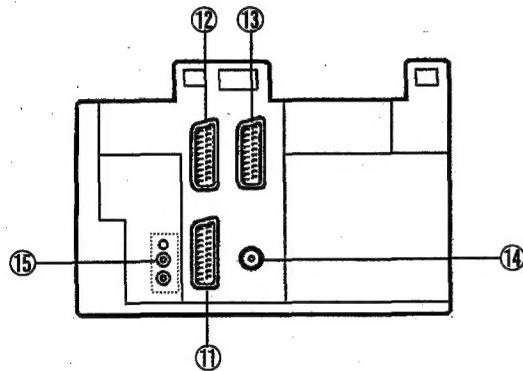
# FUNCTIONS

## REMOTE CONTROL UNIT

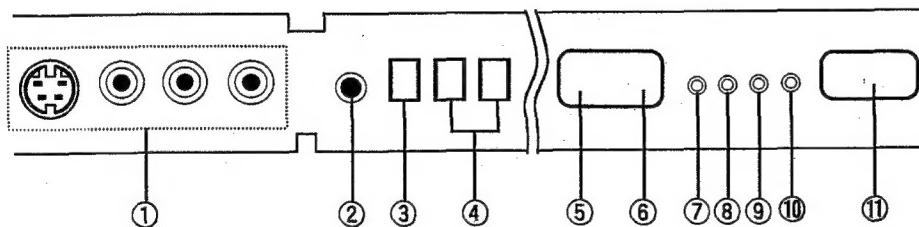


- ① Muting
- ② Number Buttons
- ③ ZOOM
- ④ Hyper Sound
- ⑤ Information
- ⑥ TV
- ⑦ Volume -/+
- ⑧ Standby
- ⑨ Colour Buttons
- ⑩ TEXT
- ⑪ OK / MENU
- ⑫ PR Channel ▼/▲
- ⑬ ◀/▶/↑/↓/▲

## REAR PANEL



- ⑪ EXT-1 Terminal
- ⑫ EXT-2 Terminal
- ⑬ EXT-3 Terminal
- ⑭ Aerial Socket
- ⑮ Audio out



- ① EXT-4 terminals
- ② Headphone jack (mini jack)
- ③ ▲ (Volume) button
- ④ P ▼/▲ buttons / ▲ -/+ buttons
- ⑤ Remote control sensor
- ⑥ ECO sensor
- ⑦ Hyper Sound lamp
- ⑧ ECO lamp
- ⑨ Sleep timer lamp
- ⑩ Power lamp
- ⑪ Main power button

# SPECIFIC SERVICE INSTRUCTIONS

## DISASSEMBLY PROCEDURE

### REMOVING THE REAR COVER

1. Unplug the power cord.
2. Remove the 13 screws marked "A" as shown in the Fig. 1.
3. Withdraw the rear cover toward you.

### REMOVING THE CHASSIS

- After removing the rear cover.
- 1. Slightly raise the both sides of the chassis by hand and remove the two claws under the both sides of the chassis from the front cabinet.
- 2. Withdraw the chassis backward.  
(If necessary, take off the wire clamp, connectors etc.)

### REMOVING THE AV TERMINAL BOARD

- After removing the rear cover.
- 1. Remove the 3 screws marked "C" as shown in the Fig. 1.
- 2. Remove the claws marked "D" under the CHASSIS as shown in Fig. 2.
- 3. While raising the claw marked "E", remove the top of the AV TERMINAL BOARD slightly in the direction of arrow "F" as shown in Fig. 2.

### REMOVING THE DOME SPEAKER BOX and SPEAKER HORN

- After removing the rear cover.

#### [32" MODEL]

1. After removing the 2 screws marked "G" remove the dome speaker box as shown in Fig. 1.
2. After removing the 2 screws marked "H" remove the speaker horn as shown in Fig. 1.
3. Follow the same steps when removing the other hand dome speaker box and speaker horn.

**NOTE:** When removing the screws marked "G" of the dome speaker box remove the lower side screw first, and then remove the upper screw.

### REMOVING THE SPEAKER

#### [28" MODEL]

1. After removing the 2 screws marked "I" remove the speaker box as shown in Fig. 3.
2. After removing the 2 screws marked "J" remove the speaker as shown in Fig. 3.
3. After removing the 2 screws marked "K" remove the speaker adapter as shown in Fig. 3.
4. Follow the same steps when removing the other hand speaker.

### REMOVING THE CONTROL BASE

- After removing the CHASSIS.

1. While pushing down the claws marked "L", remove the CONTROL BASE in the arrow direction "M" as shown in Fig. 4.

### CHECKING THE PW BOARD

To check the back side of the PW Board.

- 1) Pull out the chassis. (Refer to REMOVING THE CHASSIS).
- 2) Erect the chassis vertically so that you can easily check the back side of the PW Board.

#### [CAUTION]

- When erecting the chassis, be careful so that there will be no contacting with other PW Board.
- Before turning on power, make sure that the wire connector is properly connected.
- When conducting a check with power supplied, be sure to confirm that the CRT EARTH WIRE (BRAIDED ASS' Y) is connected to the CRT SOCKET PW board.

### WIRE CLAMPING AND CABLE TYING

1. Be sure to clamp the wire.
2. Never remove the cable tie used for tying the wires together. Should it be inadvertently removed, be sure to tie the wires with a new cable tie.

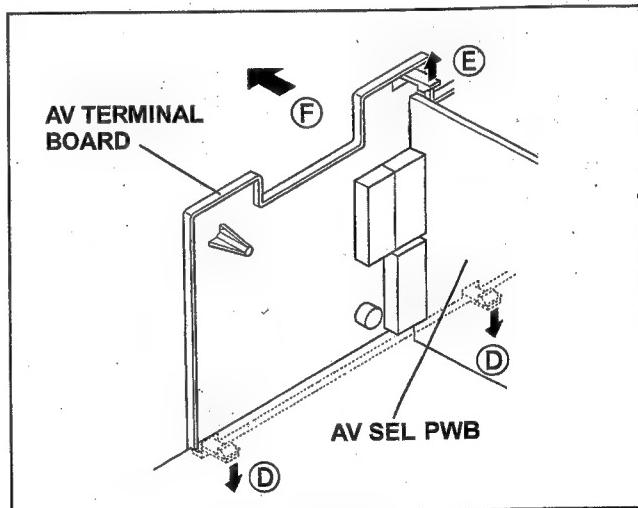


Fig. 2

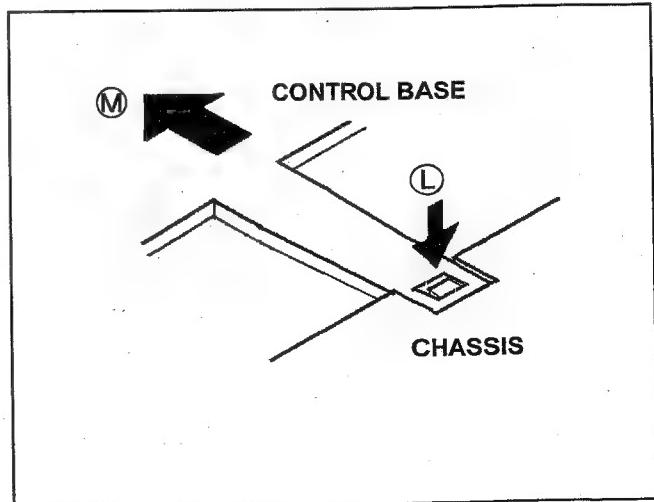


Fig. 4

AV-28WFT1EPG AV-28WFT1EIS  
 AV-28WFT1EPS AV-32WFT1EPG  
 AV-28WFT1EKS AV-32WFT1EPS  
 AV-28WFT1EK AV-32WFT1EKS

**32" MODEL**

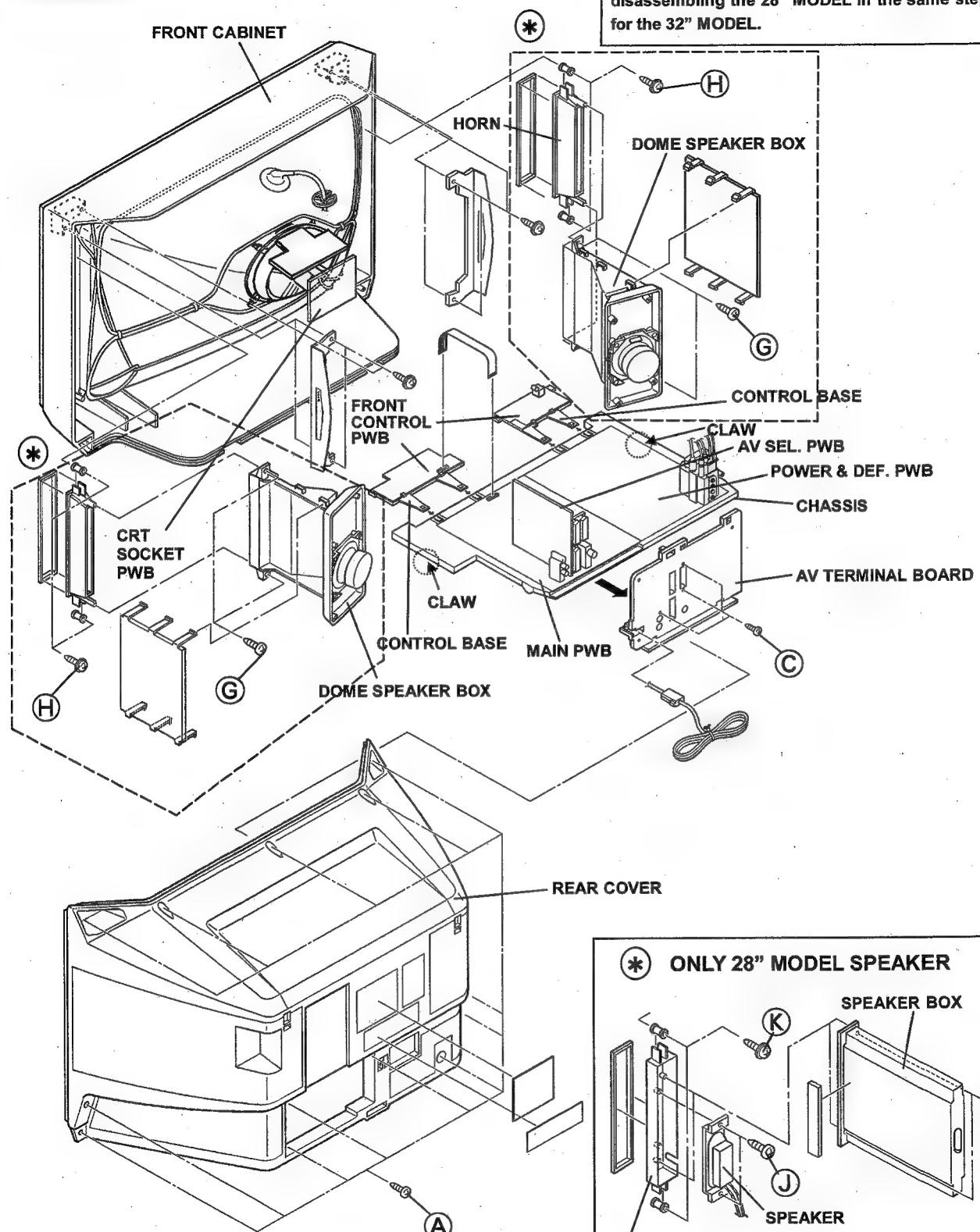


Fig. 1

Fig. 3

## REMOVING THE CRT

- \* Replacement of the CRT should be performed by 2 or more persons.
- After removing the cover, chassis etc.,
- 1. Putting the CRT change table on soft cloth, the CRT change table should also be covered with such soft cloth (shown in Fig.5).
- 2. While keeping the surface of CRT down, mount the TV set on the CRT change table balanced will as shown in Fig.6.
- 3. Remove 4 screws marked by arrows with a box type screw driver as shown in Fig.6.
- Since the cabinet will drop when screws have been removed, be sure to support the cabinet with hands.
- 4. After 4 screws have been removed, put the cabinet slowly on cloth (At this time, be carefully so as not to damage the front surface of the cabinet) shown in Fig.7.
- The CRT should be assembled according to the opposite sequence of its dismantling steps.
- \* The CRT change table should preferably be smaller than the CRT surface, and its height be about 35cm.

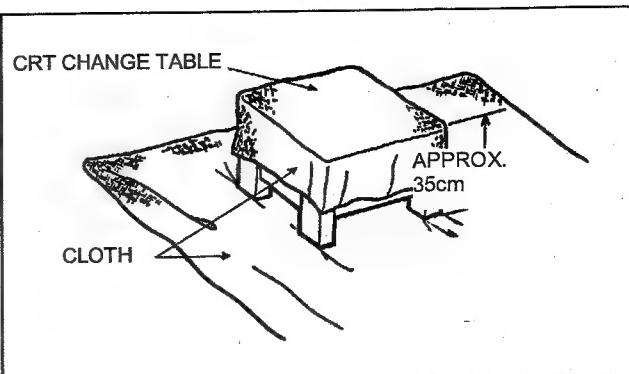


Fig. 5

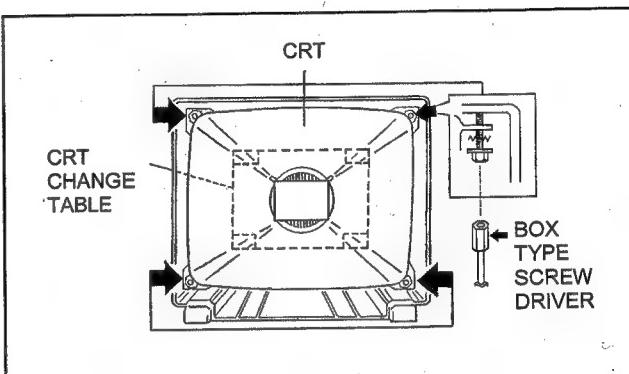


Fig. 6

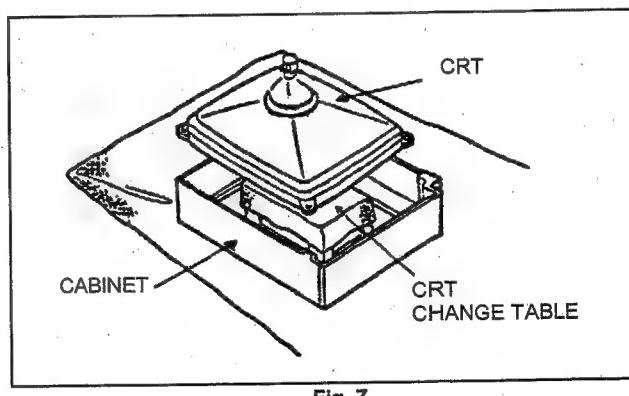


Fig. 7

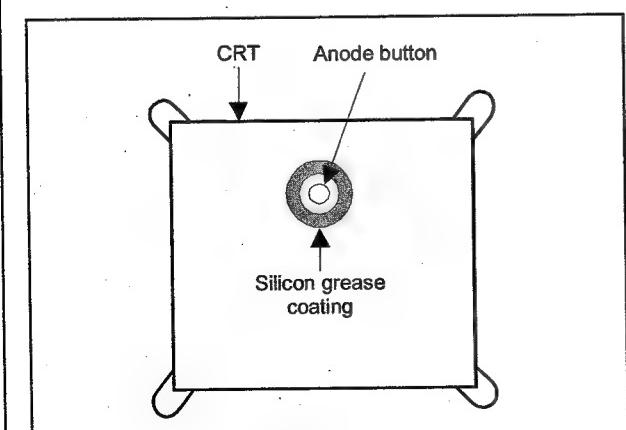


Fig. 8

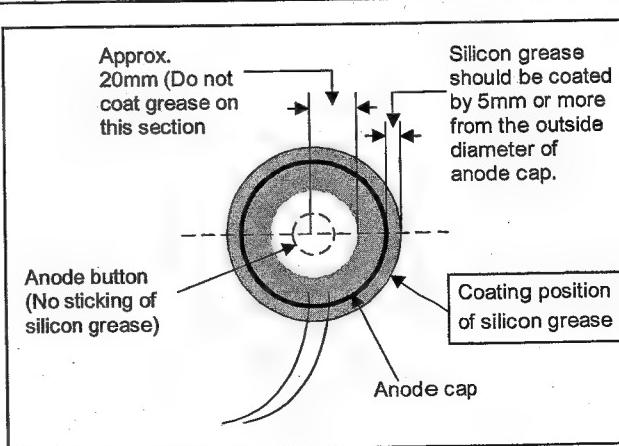


Fig. 9

AV-28WFT1EPG AV-28WFT1EIS  
 AV-28WFT1EPS AV-32WFT1EPG  
 AV-28WFT1EKS AV-32WFT1EPS  
 AV-28WFT1EK AV-32WFT1EKS

## REPLACEMENT OF MEMORY ICs

### 1. Memory ICs

This TV uses memory ICs. In the memory ICs, there are memorized data for correctly operating the video and deflection circuits. When replacing memory ICs, be sure to use ICs written with the initial values of data.

### 2. Procedure for replacing memory ICs

| PROCEDURE                              |   |
|--|---|
| (1) Power off                          | Switch the power off and unplug the power cord from the outlet.   |
| (2) Replace ICs.                       | Be sure to use memory ICs written with the initial data values.   |
| (3) Power on                           | Plug the power cord into the outlet and switch the power on.  |
| (4) Check and set SYSTEM CONSTANT SET: | <ul style="list-style-type: none"> <li>* It must not adjust without signal.</li> </ul> <ol style="list-style-type: none"> <li>1) Press the INFORMATION key and the MUTING key of the REMOTE CONTROL UNIT simultaneously.</li> <li>2) The SERVICE MENU screen of Fig. 1 will be displayed.</li> <li>3) While the SERVICE MENU is displayed, press the INFORMATION key and MUTING key simultaneously, and the SYSTEM CONSTANT SET screen of Fig. 2 will be displayed.</li> <li>4) Check the setting values of the SYSTEM CONSTANT SET of Table 1. If the value is different, select the setting item with the FUNCTION UP/DOWN key, and set the correct value with the FUNCTION -/+ key.</li> <li>5) Press the MENU key to memorize the setting value.</li> <li>6) Press the INFORMATION key twice, and return to the normal screen.</li> </ol> |
| (5) Setting of receive channels        | <p>Set the receive channel.<br/>         For setting, refer to the OPERATING INSTRUCTIONS.</p>  |
| (6) User settings                      | <p>Check the user setting values of Table 2, and if setting value is different, set the correct value.<br/>         For setting, refer to the OPERATING INSTRUCTIONS.</p>   |
| (7) Setting of SERVICE MENU            | <p>Verify the setting items of the SERVICE MENU of Table 3, and reset where necessary.<br/>         For setting, refer to the SERVICE ADJUSTMENTS.</p>  |

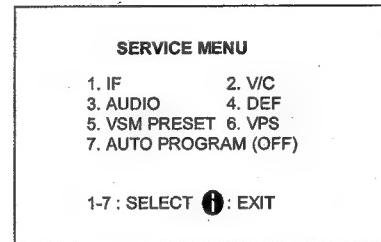


Fig.1

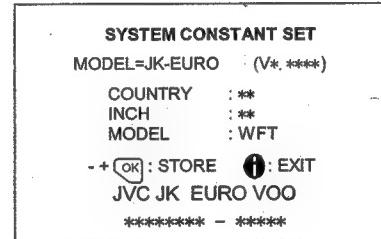


Fig.2

### NAME OF REMOTE CONTROL KEY

| Names of key     | key |
|------------------|-----|
| INFORMATION      |     |
| MUTING           |     |
| MENU             |     |
| FUNCTION UP/DOWN |     |
| FUNCTION -/+     |     |

AV-28WFT1EPG AV-28WFT1EIS  
 AV-28WFT1EPS AV-32WFT1EPG  
 AV-28WFT1EKS AV-32WFT1EPS  
 AV-28WFT1EK AV-32WFT1EKS

### SETTING VALUES OF SYSTEM CONSTANT SET (TABLE 1)

| Setting item | Setting content             | Setting value                |              |                              |                             |              |
|--------------|-----------------------------|------------------------------|--------------|------------------------------|-----------------------------|--------------|
|              |                             | AV-32WFT1EPG<br>AV-32WFT1EPS | AV-32WFT1EKS | AV-28WFT1EPG<br>AV-28WFT1EPS | AV-28WFT1EKS<br>AV-28WFT1EK | AV-28WFT1EIS |
| COUNTRY      | ► EK → EN → EP<br>IR ← EE ← | EP                           | EK           | EP                           | EK                          | IR           |
| INCH         | ► 28 → 32                   | 32                           | ←            | 28                           | ←                           | ←            |
| MODEL        | ► WFT → WFR                 | WFT                          | ←            | ←                            | ←                           | ←            |

### USER SETTING VALUES (TABLE 2)

| PICTURE SETTING  |  | EXT SETTING   |   |
|--|--|---|---|
| TINT<br>CONTRAST<br>BRIGHT<br>SHARP<br>COLOUR<br>ECO MODE                            | COOL<br>REFER to VSM PRESET<br>OFF                                       | ID<br>S-IN<br>DUBBING   | BLANK<br>BLANK<br>EXT-1→EXT-2                       |
| PICTURE FEATURES   |  | FEATURES  |   |
| AUTO VNR<br>COLOUR SYSTEM<br><br>4:3 AUTO ASPECT<br>PICTURE TILT                     | AUTO<br>TV : According to preset CH<br>EXT : AUTO<br>PANORAMIC<br>CENTER | SLEEP TIMER<br><br>BLUE BACK<br>CHILD LOCK<br><br>DECODER (EXT-2) | OFF<br><br>ON<br>ID : No.****<br>ALL CH OFF<br>OFF  |
| SOUND SETTING  |  | INSTALL   |   |
| STEREO / I · II<br>BASS<br>TREBLE<br>BALANCE<br>ALC<br>BBE<br>HYPER SOUND<br>SPEAKER | CENTER<br>OFF<br>ON<br>OFF<br>ON   | LANGUAGE<br><br>EDIT/MANUAL                                       | ENGLISH<br><br>PRESET CH only<br>The others : BLANK |
|  |  | DEMO  | OFF   |

### SERVICE MENU SETTING ITEMS (TABLE 3)

| Setting item                | Setting value   | Setting item                            | Setting value  |
|-----------------------------|---|---|--|
| 1. IF                       | VCO   | 4. DEF.                                 | 1. V-SHIFT<br>2. V-SIZE<br>3. SUBTITLE<br>4. H-CENT<br>5. H-SIZE<br>6. EW-PIN<br>7. TRAPEZ<br>8. EW. COR. L<br>9. EW. COR. H<br>10. V. S-COR<br>11. V. LIN<br>12. H-BLK-R<br>13. H-BLK-L<br>14. V-EHT<br>15. H-EHT<br>16. EMT-GAIN |
| 2. V / C                    | 1. CUT OFF<br>2. DRIVE<br>3. BRIGHT<br>4. CONT.<br>5. COLOUR<br>6. HUE<br>7. BLACK OFFSET (Only SECAM)<br>8. SHARP<br>9. PURITY | 5. VSM PRESET<br>COOL<br>NORMAL<br>WARM | 1. BRIGHT<br>2. CONT.<br>3. COLOUR<br>4. SHARP<br>5. HUE<br>6. R DRIVE<br>7. B DRIVE   |
| 1. AUDIO<br>(Do not adjust) | 1. CONC LIMIT<br>2. A2 ID THR<br>3. ALC<br>4. BASS<br>5. TREBLE   | 6. VPS<br>(Do not adjust)               | VPS<br>PDC   |
|                             |   | 7. AUTO PROGRAM<br>(Do not adjust)      | ON / OFF   |

AV-28WFT1EPG AV-28WFT1EIS  
AV-28WFT1EPS AV-32WFT1EPG  
AV-28WFT1EKS AV-32WFT1EPS  
AV-28WFT1EK AV-32WFT1EKS

# SERVICE ADJUSTMENTS

## BEFORE STARTING SERVICE ADJUSTMENT

1. There are 2 ways of adjusting this TV: One is with the REMOTE CONTROL UNIT and the other is the conventional method using adjustment parts and components.
2. The setting (adjustment) using the REMOTE CONTROL UNIT is made on the basis of the initial setting values. The setting values which adjust the screen to the optimum condition can be different from the initial setting values.
3. Make sure that connection is correctly made to AC power source.
4. Turn on the power of the TV and measuring instrument for warming up for at least 30 minutes before starting adjustment.
5. If the receive or input signal is not specified, use the most appropriate signal for adjustment.
6. Never touch parts (such as variable resistors, transformers and condensers) not shown in the adjustment items of this service adjustment.
7. Preparation for adjustment (presetting): Unless otherwise specified in the adjustment items, preset the following functions with the REMOTE CONTROL UNIT:
  - Setting position

|                    |           |
|--------------------|-----------|
| PICTURE MODE (VSM) | NORMAL    |
| SLEEP TIMER        | OFF       |
| BALANCE            | CENTER    |
| ECO                | OFF       |
| ZOOM               | PANORAMIC |
| DIGITAL SURROUND   | OFF       |

## MEASURING INSTRUMENT AND FIXTURES

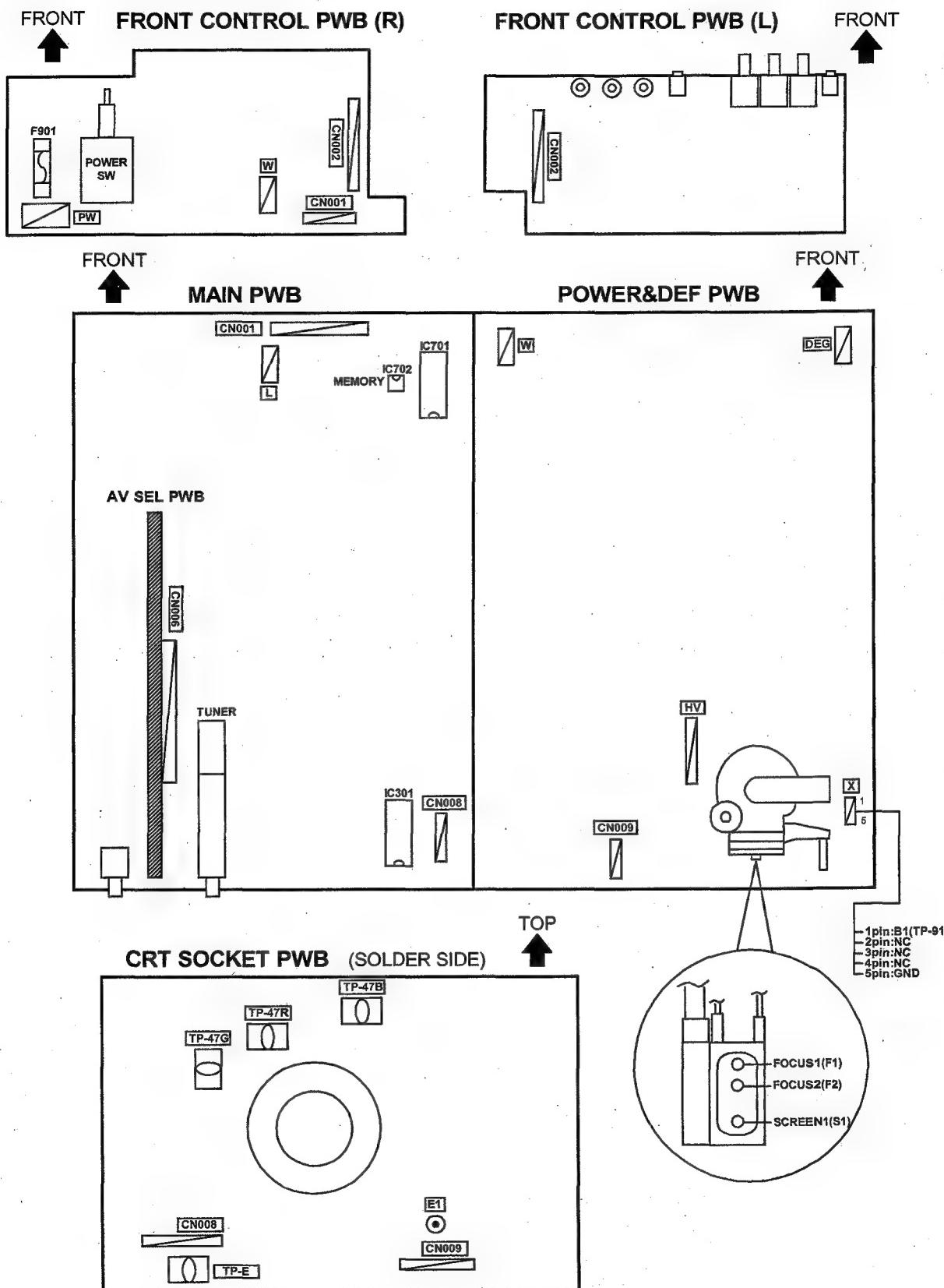
1. DC voltmeter (or digital voltmeter)
2. Oscilloscope
3. Signal generator (Pattern generator) [PAL / SECAM / NTSC]
4. Remote control unit

## ADJUSTMENT ITEMS

- B1 power supply check.
- Adjustment of FOCUS.
- IF circuit adjustment.
- VSM preset adjust setting.
- VIDEO / CHROMA circuit adjustment.
- DEFLECTION circuit adjustment.
- H. BLANKING ADJUSTMENT.
- AUDIO circuit adjustment. (Do not adjust)

AV-28WFT1EPG AV-28WFT1EIS  
 AV-28WFT1EPS AV-32WFT1EPG  
 AV-28WFT1EKS AV-32WFT1EPS  
 AV-28WFT1EK AV-32WFT1EKS

## ADJUSTMENT LOCATIONS



AV-28WFT1EPG AV-28WFT1EIS  
 AV-28WFT1EPS AV-32WFT1EPG  
 AV-28WFT1EKS AV-32WFT1EPS  
 AV-28WFT1EK AV-32WFT1EKS

## BASIC OPERATION SERVICE MENU

### 1. TOOL OF SERVICE MENU OPERATION

Operate the SERVICE MENU with the REMOTE CONTROL UNIT.

### 2. SERVICE MENU ITEMS

With the SERVICE MENU, various settings (adjustments) can be made, and they are broadly classified in the following items of settings (adjustments):

- (1) 1.IF ..... This mode adjusts the setting values of the IF circuit.
- (2) 2.V/C ..... This mode adjusts the setting values of the VIDEO / CHROMA circuit.
- (3) 3.AUDIO ..... This mode adjusts the setting values of the multiplicity SOUND circuit.
- (4) 4.DEF ..... This mode adjusts the setting values of the DEFLECTION circuit for each aspect mode given below.

|                     |           |
|---------------------|-----------|
| REGULAR             | (50/60Hz) |
| PANORAMIC           | (50/60Hz) |
| 14:9 ZOOM           | (50/60Hz) |
| 16:9 ZOOM           | (50/60Hz) |
| 16:9 ZOOM SUB TITLE | (50/60Hz) |
| FULL                | (50/60Hz) |

- (5) 5.VSM PRSET ..... This mode adjusts the initial setting values of COOL,NOMAL and WARM.  
(VSM : Video Status Memory)
- (6) 6.VPS ..... This mode shows the monitor of the VPS and PDC.(**Do not adjust**).  
(VPS : Video Program System, PDC : Program Delivery Code)
- (7) 7.AUTO PROGRAM ..... By turning the power switch on, you can get the state of AUTO PROGRAM. (**Do not adjust**)

### 3. BASIC OPERATION OF SERVICE MENU

#### (1) How to enter SERVICE MENU

Press the INFORMATION key and the MUTING key of the REMOTE CONTROL UNIT simultaneously, and the SERVICE MENU screen of Fig. 1 will be displayed.

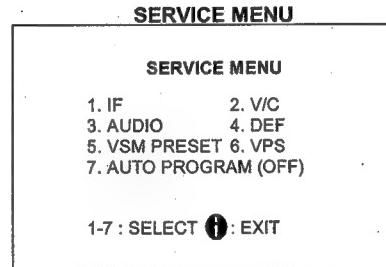


Fig.1

#### (2) Selection of SUB MENU SCREEN

Press one of keys 1~7 of the REMOTE CONTROL UNIT and select the SUB MENU SCREEN (See Fig. 3), form the SERVICE MENU.

SERVICE MENU → SUB MENU

- 1. IF
- 2. V / C
- 3. AUDIO
- 4. DEF.
- 5. VSM PRESET
- 6. VPS
- 7. AUTO PROGRAM

| NAME OF REMOTE CONTROL KEY |     |
|----------------------------|-----|
| Names of key               | key |
| INFORMATION                |     |
| MUTING                     |     |
| MENU                       |     |
| FUNCTION UP/DOWN           |     |
| FUNCTION -/+               |     |

Fig.2

AV-28WFT1EPG AV-28WFT1EIS  
 AV-28WFT1EPS AV-32WFT1EPG  
 AV-28WFT1EKS AV-32WFT1EPS  
 AV-28WFT1EK AV-32WFT1EKS

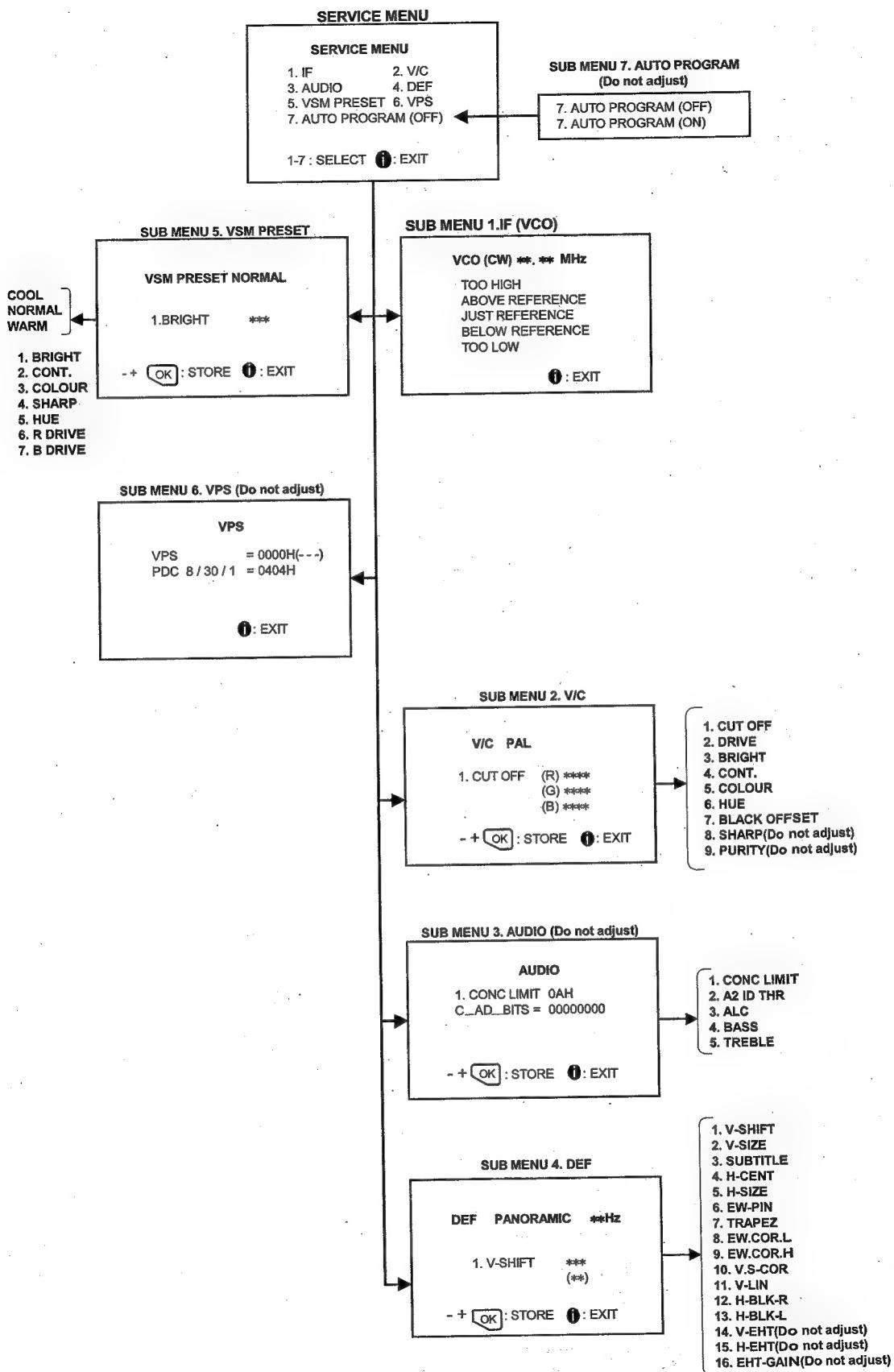


Fig. 3 SUB MENU SCREEN

AV-28WFT1EPG AV-28WFT1EIS  
AV-28WFT1EPS AV-32WFT1EPG  
AV-28WFT1EKS AV-32WFT1EPS  
AV-28WFT1EK AV-32WFT1EKS

(3) Method of Setting

1) Method of Setting 1.IF

[VCO]

- ① 1 Key ..... Select 1.IF.
- ② The VCO (CW) screen will be displayed in yellow when the AFC voltage is at a certain level and in blue when it is at other levels.
- ③ INFORMATION Key ..... Return to the SERVICE MENU screen.

2) Method of setting 2.V/C, 3.AUDIO, 4.DEF and 5.VSM PRESET.

- ① 2~5 Key ..... Select one from 2. V/C, 3. AUDIO, 4. DEF and 5. VSM PRESET.
- ② FUNCTION UP/DOWN Key ..... Select setting items.
- ③ FUNCTION -/+ ..... Set (adjust) the setting values of the setting items.  
(Use the number keys of the REMOTE CONTROL UNIT for setting of WHITE BALANCE.  
For the setting, refer to each item concerned.)
- ④ MENU Key ..... Memorize the setting value.  
(Before storing the setting values in memory, do not press the CH, TV, POWER ON / OFF key -  
if you do, the values will not be stored in memory.)
- ⑤ INFORMATION Key ..... Return to the SERVICE MENU screen.

3) Method of setting 6.VPS and 7.AUTO PROGRAM.

6.VPS ..... This mode displays monitor of VPS systems. (Do not adjust)

7.AUTO PROGRAM ..... When the MAIN POWER is turned on with the state of AUTO PROGRAM ON, you get a mode that initializes every existing set value including language selection. Because this mode is set at the factory upon completion of the adjustment, you need not to use it for service. (Do not adjust in this mode.)

(4) Release of SERVICE MENU

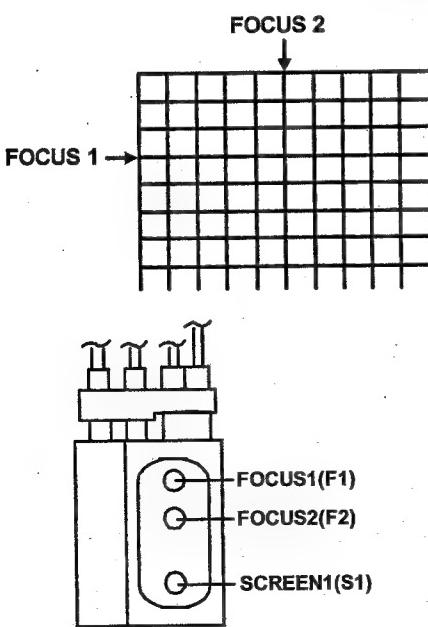
- 1) After completing the setting, return to the SERVICE MENU, then again press the INFORMATION key.

## ADJUSTMENTS

### B1 POWER SUPPLY CHECK

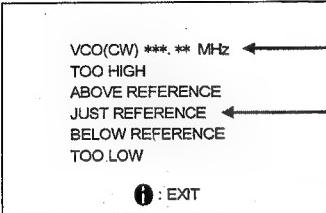
| Item                     | Measuring instrument             | Test point                                    | Adjustment part | Description   |
|--------------------------|----------------------------------|---|-----------------|---|
| Check of B1 Power Supply | Signal Generator<br>DC voltmeter | TP-91(B1)<br>TP-E(+) [CN009 on POWER DEF PWB] |                 | <ol style="list-style-type: none"> <li>Receive a any broadcast.</li> <li>Push the "ZOOM" key and select the FULL mode.</li> <li>Select 2. V/C from the SERVICE MENU.</li> <li>Select 1. CUT OFF with Function UP / DOWN key.</li> <li>Show one horizontal line with the 1 key.</li> <li>Turn the SCREEN VR, the whole black screen display.</li> <li>Connect a DC voltmeter to TP-91(B1) and TP-E(+).</li> <li>Make sure that the voltage is DC144.5 ±2.0V.</li> <li>Readjust the SCREEN VR to appear the horizontal line faintly, and cancell the horizontal line to press the 2 key.</li> </ol> |
| Check of High Voltage    | Signal Generator<br>DC voltmeter |   |                 | <ol style="list-style-type: none"> <li>Receive a any broadcast.</li> <li>Push the "ZOOM" key and select the FULL mode.</li> <li>Select 2. V/C from the SERVICE MENU.</li> <li>Select 1. CUT OFF with Function UP / DOWN key.</li> <li>Show one horizontal line with the 1 key.</li> <li>Turn the SCREEN VR, the whole black screen display.</li> <li>Connect a DC voltmeter to CRT ANODE.</li> <li>Make sure that the voltage is DC 31.0kV +1kV -1.5kV.</li> <li>Readjust the SCREEN VR to appear the horizontal line faintly, and connect the horizontal line to press 2 key.</li> </ol>         |

### ADJUSTMENT OF FOCUS

| Item                | Measuring instrument | Test point | Adjustment part                | Description  |
|---------------------|----------------------|------------|--------------------------------|--|
| Adjustment of FOCUS | Signal generator     |            | FOCUS 1<br>FOCUS 2<br>[In FBT] | <ol style="list-style-type: none"> <li>Receive a cross-hatch signal. Select FULL mode.</li> <li>By turning the FOCUS 2 VR, adjust the picture so that the 5th vertical line from the left side of the cross-hatch picture becomes thinnest.</li> <li>By turning the FOCUS 1 VR, adjust the picture so that the 3th horizontal line from the upper may become uniform at the line center and its periphery.</li> <li>Carry out adjustment by repeating the steps 2 and 3 above.</li> <li>Make sure that when the screen is darkened, the lines remain in good focus.</li> </ol>  |

AV-28WFT1EPG AV-28WFT1EIS  
 AV-28WFT1EPS AV-32WFT1EPG  
 AV-28WFT1EKS AV-32WFT1EPS  
 AV-28WFT1EK AV-32WFT1EKS

### IF CIRCUIT ADJUSTMENT

| Item              | Measuring instrument | Test point | Adjustment part | Description  |
|-------------------|----------------------|------------|-----------------|--|
| Adjustment of VCO | Remote control unit  |            |                 | <ul style="list-style-type: none"> <li>Under normal conditions, no adjustment is required.</li> <li>1. Receive any broadcast.</li> <li>2. Select 1.IF from the SERVICE MENU.</li> <li>3. Check the characters colour of the JUST REFERENCE displayed to yellow.</li> </ul>  |

### VSM PRESET ADJUST SETTING

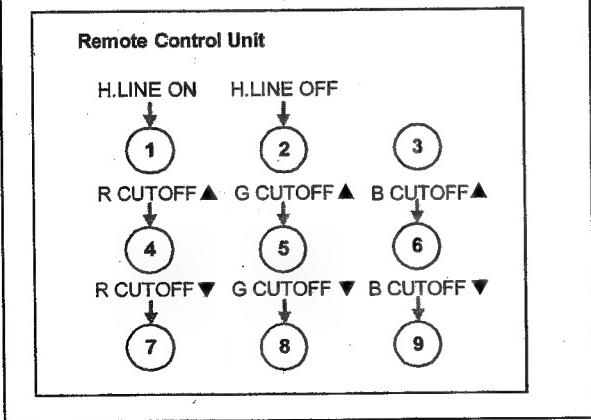
| Item                           | Measuring instrument | Test point | Adjustment part  | Description   |                                |      |        |      |                            |    |    |    |                           |     |     |    |                            |    |    |    |                           |    |    |    |                         |    |    |    |                             |     |    |     |                             |     |    |     |
|--------------------------------|----------------------|------------|--|---|--------------------------------|------|--------|------|----------------------------|----|----|----|---------------------------|-----|-----|----|----------------------------|----|----|----|---------------------------|----|----|----|-------------------------|----|----|----|-----------------------------|-----|----|-----|-----------------------------|-----|----|-----|
| Setting of VSM PRESET          | Remote control unit  |            | 1. BRIGHT<br>2. CONT.<br>3. COLOUR<br>4. SHARP<br>5. HUE<br>6. R DRIVE<br>7. B DRIVE | <p>1. Select 5.VSM PRESET from the SERVICE MENU.</p> <p>2. Select COOL with the MENU key of the remote control unit.</p> <p>3. Adjust the FUNCTION UP/DOWN and -/+ key to bring the set values of 1.BRIGHT ~ 7. B DRIVE to the values shown in the table.</p> <p>4. Press the MENU key and memorize the set value.</p> <p>5. Respectively select the VSM PRESET mode for NORMAL and WARM, and make similar adjustment as in 3 above.</p> <p>6. Press the MENU key and memorize the set value.</p> <p>* Refer to OPERATING INSTRUCTIONS for the PICTURE MODE.</p> <table border="1" data-bbox="579 1254 1278 1848"> <thead> <tr> <th>Setting item \ VSM preset mode</th> <th>COOL</th> <th>NORMAL</th> <th>WARM</th> </tr> </thead> <tbody> <tr> <td>1. BRIGHT<br/>SETTING VALUE</td> <td>+0</td> <td>+0</td> <td>+0</td> </tr> <tr> <td>2. CONT.<br/>SETTING VALUE</td> <td>+12</td> <td>+10</td> <td>+2</td> </tr> <tr> <td>3. COLOUR<br/>SETTING VALUE</td> <td>+6</td> <td>+0</td> <td>-2</td> </tr> <tr> <td>4. SHARP<br/>SETTING VALUE</td> <td>+0</td> <td>+0</td> <td>-2</td> </tr> <tr> <td>5. HUE<br/>SETTING VALUE</td> <td>+0</td> <td>+0</td> <td>+0</td> </tr> <tr> <td>6. R DRIVE<br/>SETTING VALUE</td> <td>-20</td> <td>+0</td> <td>+16</td> </tr> <tr> <td>7. B DRIVE<br/>SETTING VALUE</td> <td>+23</td> <td>+0</td> <td>-13</td> </tr> </tbody> </table> <p style="text-align: center;">SETTING VALUES OF VSM PRESET</p> | Setting item \ VSM preset mode | COOL | NORMAL | WARM | 1. BRIGHT<br>SETTING VALUE | +0 | +0 | +0 | 2. CONT.<br>SETTING VALUE | +12 | +10 | +2 | 3. COLOUR<br>SETTING VALUE | +6 | +0 | -2 | 4. SHARP<br>SETTING VALUE | +0 | +0 | -2 | 5. HUE<br>SETTING VALUE | +0 | +0 | +0 | 6. R DRIVE<br>SETTING VALUE | -20 | +0 | +16 | 7. B DRIVE<br>SETTING VALUE | +23 | +0 | -13 |
| Setting item \ VSM preset mode | COOL                 | NORMAL     | WARM   |   |                                |      |        |      |                            |    |    |    |                           |     |     |    |                            |    |    |    |                           |    |    |    |                         |    |    |    |                             |     |    |     |                             |     |    |     |
| 1. BRIGHT<br>SETTING VALUE     | +0                   | +0         | +0   |   |                                |      |        |      |                            |    |    |    |                           |     |     |    |                            |    |    |    |                           |    |    |    |                         |    |    |    |                             |     |    |     |                             |     |    |     |
| 2. CONT.<br>SETTING VALUE      | +12                  | +10        | +2   |   |                                |      |        |      |                            |    |    |    |                           |     |     |    |                            |    |    |    |                           |    |    |    |                         |    |    |    |                             |     |    |     |                             |     |    |     |
| 3. COLOUR<br>SETTING VALUE     | +6                   | +0         | -2   |   |                                |      |        |      |                            |    |    |    |                           |     |     |    |                            |    |    |    |                           |    |    |    |                         |    |    |    |                             |     |    |     |                             |     |    |     |
| 4. SHARP<br>SETTING VALUE      | +0                   | +0         | -2   |   |                                |      |        |      |                            |    |    |    |                           |     |     |    |                            |    |    |    |                           |    |    |    |                         |    |    |    |                             |     |    |     |                             |     |    |     |
| 5. HUE<br>SETTING VALUE        | +0                   | +0         | +0   |   |                                |      |        |      |                            |    |    |    |                           |     |     |    |                            |    |    |    |                           |    |    |    |                         |    |    |    |                             |     |    |     |                             |     |    |     |
| 6. R DRIVE<br>SETTING VALUE    | -20                  | +0         | +16  |   |                                |      |        |      |                            |    |    |    |                           |     |     |    |                            |    |    |    |                           |    |    |    |                         |    |    |    |                             |     |    |     |                             |     |    |     |
| 7. B DRIVE<br>SETTING VALUE    | +23                  | +0         | -13  |   |                                |      |        |      |                            |    |    |    |                           |     |     |    |                            |    |    |    |                           |    |    |    |                         |    |    |    |                             |     |    |     |                             |     |    |     |

## VIDEO / CHROMA CIRCUIT ADJUSTMENT

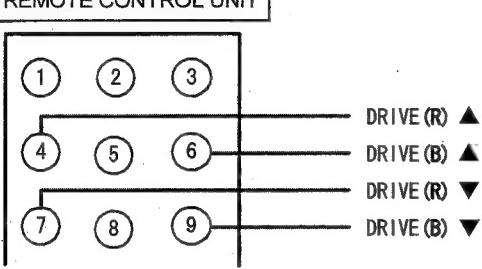
The setting (adjustment) using the REMOTE CONTROL UNIT is made on the basis of the initial setting values.  
 The setting values which adjust the screen to the optimum condition can be different from the initial setting values.

| Setting Item<br>(Adjustment Item) |   | Initial setting value |
|-----------------------------------|---|-----------------------|
| 1.CUTOFF                          | R | -100                  |
|                                   | G | -100                  |
|                                   | B | -100                  |
| 2.DRIVE                           | R | +0                    |
|                                   | B | +0                    |
| 3.BRIGHT                          |   | +0                    |
| 4.CONT.                           |   | -10                   |

| Setting item               | Colour system |       |                        |
|----------------------------|---------------|-------|------------------------|
|                            | PAL           | SECAM | NTSC 3.58<br>NTSC 4.43 |
| 5.COLOUR                   | +14           | +0    | +8                     |
| 6.HUE                      | —             | —     | +2                     |
| 7. BLACK OFFSET<br>(SECAM) | R-Y           | —     | +0                     |
|                            | B-Y           | —     | +0                     |
| 8.SHARP (Do not adjust)    | -20           | ←     | ←                      |
| 9.PURITY (Do not adjust)   | OFF           | ←     | ←                      |

| Item                                    | Measuring instrument                    | Test point | Adjustment part  | Description   |
|---|---|------------|--|---|
| Adjustment of WHITE BALANCE (Low Light) | Signal generator<br>Remote control unit |            | 1.CUT OFF<br><br>(R)***<br>(G)***<br>(B)***<br><br>SCREEN VR<br>[In FBT] | <ul style="list-style-type: none"> <li>Set the PICTURE MODE to NORMAL.</li> <li>Receive a black and white signal (colour off).</li> <li>Select 2. V/C from the SERVICE MENU.</li> <li>Select 1.CUT OFF with the FUNCTION UP/DOWN key.</li> <li>Push the "ZOOM" key and select the "PANORAMIC" mode.</li> <li>Show one horizontal line with the 1 key.</li> <li>Gradually turn the SCREEN VR from the left end to the right direction to bring one of the red, green or blue colour faintly visible.</li> <li>Press 4~9 key, and bring out the other 2 colours and make one horizontal line visible in white.</li> <li>Turn the SCREEN VR and bring one white horizontal line faintly visible.</li> <li>Press 2 key, turn off 1.CUT OFF screen.</li> <li>Press the MENU key and memorize the set value.</li> </ul>  <pre>         Remote Control Unit         H.LINE ON   H.LINE OFF         1           2           3         R CUTOFF▲ G CUTOFF▲ B CUTOFF▲         4           5           6         R CUTOFF▼ G CUTOFF▼ B CUTOFF▼         7           8           9     </pre> |

AV-28WFT1EPG AV-28WFT1EIS  
 AV-28WFT1EPS AV-32WFT1EPG  
 AV-28WFT1EKS AV-32WFT1EPS  
 AV-28WFT1EK AV-32WFT1EKS

| Item                                     | Measuring instrument                    | Test point | Adjustment part                           | Description   |
|--|---|------------|---|---|
| Adjustment of WHITE BALANCE (High Light) | Signal generator<br>Remote control unit |            | 2.DRIVE<br><br>(R) * * *<br><br>(B) * * * | <ul style="list-style-type: none"> <li>The adjustment for Low Light WHITE BALANCE Should be finished.</li> <li>Set the PICTURE MODE to NORMAL.</li> <li>1. Receive a black and white signal (colour off).</li> <li>2. Select 2.V/C from the SERVICE MENU.</li> <li>3. Select 2.DRIVE with the FUNCTION UP/DOWN key.</li> <li>4. Change the screen colour to white with 4 key or 7 key (Drive of Red), 6 key or 9 key (Drive of Blue).</li> <li>5. Press the MENU key, and memorize the set values.</li> </ul>  |
| Adjustment of SUB BRIGHT                 | Remote control unit                     |            | 3.BRIGHT                                  | <ol style="list-style-type: none"> <li>Receive any broadcast.</li> <li>Select 2.V/C from the SERVICE MENU.</li> <li>Select 3.BRIGHT with the FUNCTION UP/DOWN key.</li> <li>Set the initial setting value with the FUNCTION -/+ key.</li> <li>If the brightness is not the best with the initial setting value, make fine adjustment until you get the best brightness.</li> <li>Press the MENU key and memorize the set value.</li> </ol>  |
| Adjustment of SUB CONT.                  | Remote control unit                     |            | 4.CONT.                                   | <ol style="list-style-type: none"> <li>Receive any broadcast.</li> <li>Select 2.V/C from the SERVICE MENU.</li> <li>Select 4.CONT with the FUNCTION UP/DOWN key.</li> <li>Set the initial setting value with the FUNCTION - or + key.</li> <li>If the contrast is not the best with the initial setting value, make fine adjustment until you get the best contrast.</li> <li>Press the MENU key and memorize the set value.</li> </ol>   |

AV-28WFT1EPG AV-28WFT1EIS  
 AV-28WFT1EPS AV-32WFT1EPG  
 AV-28WFT1EKS AV-32WFT1EPS  
 AV-28WFT1EK AV-32WFT1EKS

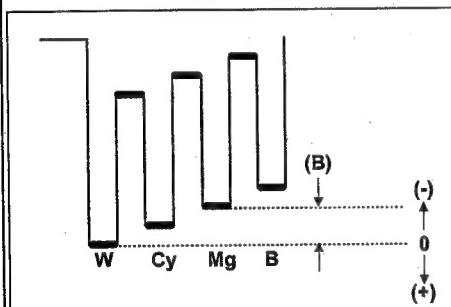
| Item                       | Measuring instrument | Test point | Adjustment part  | Description  |
|----------------------------|----------------------|------------|--|--|
| Adjustment of SUB COLOUR I | Remote control unit  |            | 5.COLOUR (PAL~NTSC)  | [Method of adjustment without measuring instrument]  |
|                            |                      |            | PAL COLOUR   | <p>(PAL COLOUR)</p> <ol style="list-style-type: none"> <li>1. Receive PAL broadcast.</li> <li>2. Select 2.V/C from the SERVICE MENU.</li> <li>3. Select 5.COLOUR with the FUNCTION UP/DOWN key.</li> <li>4. Set the initial setting value for PAL COLOUR with the FUNCTION - or + key.</li> <li>5. If the colour is not the best with the initial set value, make fine adjustment until you get the best colour.</li> <li>6. Press the MENU key and memorize the set value.</li> </ol> |
|                            |                      |            | SECAM COLOUR<br>Only<br>AV-28WFT1EPG<br>AV-28WFT1EPS<br>AV-32WFT1EPG<br>AV-32WFT1EPS | <p>(SECAM COLOUR)</p> <ol style="list-style-type: none"> <li>1. Receive a SECAM broadcast.</li> <li>2. Make fine adjustment of SECAM COLOUR in the same manner as for above.</li> </ol>  |
|                            |                      |            | NTSC COLOUR  | <p>(NTSC 3.58 COLOUR)</p> <ol style="list-style-type: none"> <li>1. Input a NTSC 3.58MHz COMPOSITE VIDEO signal from the EXT terminal.</li> <li>2. Make similar fine adjustment of NTSC 3.58 COLOUR in the same manner as for above.</li> </ol>  |
|                            |                      |            |  | <p>(NTSC 4.43 COLOUR)</p> <ol style="list-style-type: none"> <li>1. When NTSC 3.58 is set, NTSC 4.43 will be automatically set at the respective values.</li> </ol>  |

AV-28WFT1EPG AV-28WFT1EIS  
 AV-28WFT1EPS AV-32WFT1EPG  
 AV-28WFT1EKS AV-32WFT1EPS  
 AV-28WFT1EK AV-32WFT1EKS

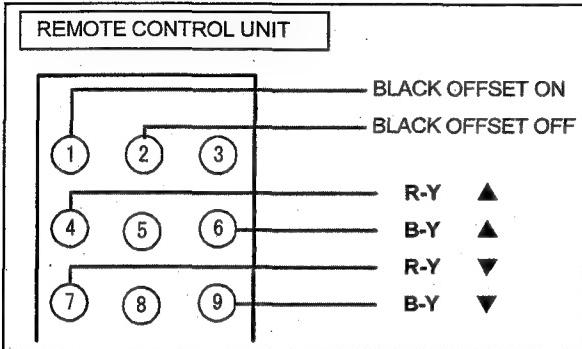
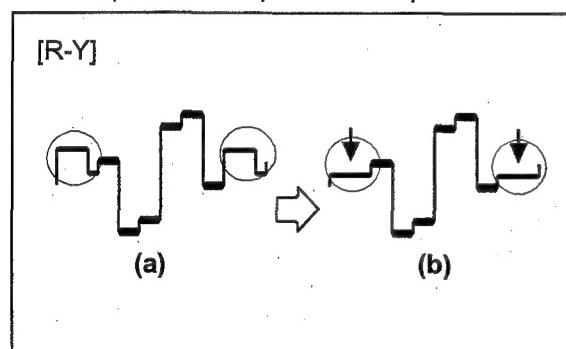
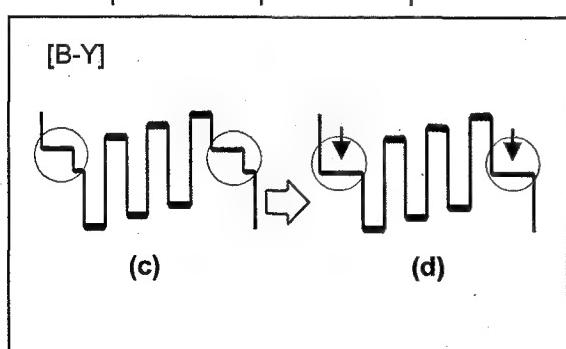
| Item                        | Measuring instrument | Test point   | Adjustment part   | Description   |               |               |           |           |           |         |  |
|-----------------------------|----------------------|--|---|---|---------------|---------------|-----------|-----------|-----------|---------|--|
| Adjustment of SUB COLOUR II | Signal generator     | TP-47B<br>TP-E(↓)<br>[CRT<br>SOCKET<br>PWB]  | 5.COLOUR<br>(PAL~NTSC)  | [Method of adjustment using measuring instrument]   |               |               |           |           |           |         |  |
|                             | Oscilloscope         |  | PAL COLOUR  | (PAL COLOUR) <ol style="list-style-type: none"> <li>Receive a PAL full field colour bar signal (75% white).</li> <li>Select 2.V/C from the SERVICE MENU.</li> <li>Select 5.COLOUR with the FUNCTION UP/DOWN key.</li> <li>Set the initial setting value of PAL COLOUR with the FUNCTION - or + key.</li> <li>Connect the oscilloscope between TP-47B and TP-E(↓).</li> <li>Adjust PAL COLOUR and bring the value of (A) in the illustration to the values as shown given below (Voltage difference between white (W) and blue (B)).</li> <li>Press the MENU key and memorize the setting value.</li> </ol> <table border="1"> <thead> <tr> <th>MODEL</th><th>VOLTAGE (W-B)</th></tr> </thead> <tbody> <tr> <td>28" model</td><td>+2V</td></tr> <tr> <td>32" model</td><td>EKS -2V</td></tr> <tr> <td></td><td>EPS/EPG +4V</td></tr> </tbody> </table> | MODEL         | VOLTAGE (W-B) | 28" model | +2V       | 32" model | EKS -2V |  |
| MODEL                       | VOLTAGE (W-B)        |  |   |   |               |               |           |           |           |         |  |
| 28" model                   | +2V                  |  |   |   |               |               |           |           |           |         |  |
| 32" model                   | EKS -2V              |  |   |   |               |               |           |           |           |         |  |
|                             | EPS/EPG +4V          |  |   |   |               |               |           |           |           |         |  |
| Remote control unit         |                      | SECAM COLOUR<br>Only<br>(AV-28WFT1EPG<br>AV-28WFT1EPS<br>AV-32WFT1EPG<br>AV-32WFT1EPS) | (SECAM COLOUR) <ol style="list-style-type: none"> <li>Receive a SECAM full field colour bar signal (75% white).</li> <li>Set the initial setting value of SECAM COLOUR with the FUNCTION -/+ key.</li> <li>Adjust SECAM COLOUR and bring the value of (A) in the illustration to the values as shown given below (Voltage difference between white (W) and blue (B)).</li> <li>Press the MENU key and memorize the setting value.</li> </ol> <table border="1"> <thead> <tr> <th>MODEL</th><th>VOLTAGE (W-B)</th></tr> </thead> <tbody> <tr> <td>28" model</td><td>-5V</td></tr> <tr> <td>32" model</td><td>+0V</td></tr> </tbody> </table> | MODEL   | VOLTAGE (W-B) | 28" model     | -5V       | 32" model | +0V       |         |  |
| MODEL                       | VOLTAGE (W-B)        |  |   |   |               |               |           |           |           |         |  |
| 28" model                   | -5V                  |  |   |   |               |               |           |           |           |         |  |
| 32" model                   | +0V                  |  |   |   |               |               |           |           |           |         |  |
|                             |                      |  | NTSC COLOUR   | (NTSC 3.58 COLOUR) <ol style="list-style-type: none"> <li>Input a NTSC 3.58MHz COMPOSITE VIDEO signal (full field colour bar with 75% white) from the EXT terminal.</li> <li>Set the initial setting value of NTSC 3.58 COLOUR with the FUNCTION -/+ key.</li> <li>Adjust NTSC 3.58 COLOUR and bring the value of (A) of the illustration to +1V w-b.</li> <li>Press the MENU key and memorize the setting value.</li> </ol> <p>(NTSC 4.43 COLOUR)</p> <ol style="list-style-type: none"> <li>When NTSC 3.58 is set, NTSC 4.43 will be automatically set at the respective values.</li> </ol>   |               |               |           |           |           |         |  |
|                             |                      |  |   |   |               |               |           |           |           |         |  |
|                             |                      |  |   |   |               |               |           |           |           |         |  |

AV-28WFT1EPG AV-28WFT1EIS  
 AV-28WFT1EPS AV-32WFT1EPG  
 AV-28WFT1EKS AV-32WFT1EPS  
 AV-28WFT1EK AV-32WFT1EKS

| Item                     | Measuring instrument | Test point                            | Adjustment part | Description   |
|--------------------------|----------------------|---------------------------------------|-----------------|---|
| Adjustment of SUB HUE I  | Remote control unit  |                                       | 6.HUE           | [Method of adjustment without measuring instrument]   |
|                          |                      |                                       | NTSC 3.58 HUE   | <p>[NTSC 3.58 HUE]</p> <ol style="list-style-type: none"> <li>1. Input a NTSC 3.58MHz COMPOSITE VIDEO signal (full field colour bar with 75% white) from the EXT terminal.</li> <li>2. Select 2.V/C from the SERVICE MENU.</li> <li>3. Select 6. HUE with the FUNCTION UP/DOWN key.</li> <li>4. Set the initial setting value of NTSC 3.58 HUE with the FUNCTION -/+ key.</li> <li>5. If you cannot get the best tint with the initial setting value, make fine adjustment until you get the best tint.</li> <li>6. Press the MENU key and memorize the set value.</li> </ol>   |
|                          |                      |                                       | NTSC 4.43 HUE   | <p>[NTSC 4.43 HUE]</p> <ol style="list-style-type: none"> <li>1. When NTSC 3.58 is set, NTSC 4.43 will be automatically set at the respective values.</li> </ol>  |
| Adjustment of SUB HUE II | Signal generator     | TP-47B<br>TP-E(↔)<br>[CRT SOCKET PWB] | 6. HUE          | [Method of adjustment using measuring instrument]   |
|                          | Oscilloscope         |                                       | NTSC 3.58 HUE   | <p>[NTSC 3.58 HUE]</p> <ol style="list-style-type: none"> <li>1. Input a NTSC 3.58MHz COMPOSITE VIDEO signal (full field colour bar with 75% white) from the EXT terminal.</li> <li>2. Select 2.V/C from the SERVICE MENU.</li> <li>3. Select 6. HUE with the FUNCTION UP/DOWN key.</li> <li>4. Set the initial setting value of NTSC 3.58 HUE with the FUNCTION - or + key.</li> <li>5. Connect the oscilloscope between TP-47B and TP-E(↔).</li> <li>6. Adjust NTSC 3.58 HUE to bring the value of (B) in the illustration to -3V (voltage difference between white (W) and magenta (Mg)).</li> <li>7. Press the MENU key and memorize the setting value</li> </ol> |
|                          | Remote control unit  |                                       | NTSC 4.43 HUE   | <p>[NTSC 4.43 HUE]</p> <ol style="list-style-type: none"> <li>1. When NTSC 3.58 is set, NTSC 4.43 will be automatically set at the respective values.</li> </ol>  |



**[Only AV-28WFT1EPS / AV-32WFT1EPS / AV-28WFT1EPG / AV-32WFT1EPG]**

| Item   | Measuring instrument                                    | Test point  | Adjustment part                                      | Description  |
|--|---|---|--|--|
| <b>Adjustment of BLACK OFFSET (SECAM) I</b>  | Remote control unit                                     |   | <b>7. BLACK OFFSET</b><br><br>(R-Y) ***<br>(B-Y) *** | <p><b>[Method of adjustment without measuring instrument]</b></p> <ol style="list-style-type: none"> <li>1. Receive a SECAM broadcast.</li> <li>2. Select 2. V/C from SERVICE MENU.</li> <li>3. Select 7. BLACK OFFSET with the FUNCTION UP/DOWN key.</li> <li>4. Set the initial setting value for BLACK OFFSET (R-Y) and (B-Y) with <b>4</b> and <b>7</b> or <b>5</b> and <b>9</b> keys of the remote control.</li> <li>5. If the picture is not the best with the initial setting value, make fine adjustment until you get the best picture.</li> <li>6. Press the MENU key and memorize the setting value.</li> </ol>    |
| <b>Adjustment of BLACK OFFSET (SECAM) II</b> | Signal generator<br>Oscilloscope<br>Remote control unit | 35 PIN (R-Y)<br>36 PIN (B-Y)<br>IC-301 ON<br>MAIN PWB | <b>7. BLACK OFFSET</b><br><br>(R-Y) ***<br>(B-Y) *** | <p><b>[Method of adjustment using measuring instrument]</b></p> <ol style="list-style-type: none"> <li>1. Receive a SECAM COLOUR bar signal (full field colour bar 75% white).</li> <li>2. Select 2. V/C from SERVICE MENU.</li> <li>3. Select 7. BLACK OFFSET with the FUNCTION UP/DOWN key.</li> <li>4. Connect the oscilloscope between 35 pin of IC-301 and TP-E (↔).</li> <li>5. By using <b>4</b> and <b>7</b> keys of the remote control, adjust the BLACK OFFSET (R-Y) so that it becomes the waveform changes from (a) to (b) shown in the figure.</li> <li>6. Connect the oscilloscope between 36 pin of IC-301 and TP-E.</li> <li>7. By using <b>6</b> and <b>9</b> keys of the remote control, adjust the BLACK OFFSET (B-Y) so that it becomes the waveform changes from (c) to (d) shown in the figure.</li> <li>8. If the picture is not the best with the adjusted picture, make fine adjustment until you get the best picture.</li> <li>9. Press the MENU key and memorize the setting value.</li> </ol>   |

## DEFLECTION CIRCUIT ADJUSTMENT

There are 7 modes of the adjustment ( 1 ) 50Hz mode ( ①PANORAMIC ②FULL ③REGULAR ④14:9 ZOOM ⑤16:9 ZOOM ⑥16:9 ZOOM SUB TITLE ), ( 2 ) 60Hz mode ( each aspect mode ) ..... depending upon the kind of signals ( vertical frequency 50Hz / 60Hz ).

- The adjustment using the remote control unit is made on the basis of the initial setting values.
- When the 50Hz PANORAMIC mode has been established, the setting of other modes will be done automatically. However, if the picture quality has not been optimized, adjust each mode again, respectively.
- The setting values which adjust the screen to the optimum condition can be different from the initial setting values.

### Initial setting value (1/2) 28" model

| Setting item                   | Adjustment name                              | Initial setting value |      |           |      |           |      |                     |      |
|--------------------------------|--|-----------------------|------|-----------|------|-----------|------|---------------------|------|
|                                |  | PANORAMIC             |      | 14:9 ZOOM |      | 16:9 ZOOM |      | 16:9 ZOOM SUB TITLE |      |
|                                |  | 50Hz                  | 60Hz | 50Hz      | 60Hz | 50Hz      | 60Hz | 50Hz                | 60Hz |
| 1. V-SHIFT                     | Vertical center                              | -8                    | -2   | +0        | +1   | +0        | +2   | +0                  | +2   |
| 2. V-SIZE                      | Vertical height                              | +13                   | -3   | +13       | +13  | +35       | +39  | +35                 | +39  |
| 3. SUBTITLE                    | SUBTITLE BOTTOM Vertical Linearity           | -8                    | +0   | +0        | +0   | +0        | +0   | +12                 | +13  |
| 4. H-CENT                      | Horizontal center                            | -11                   | +4   | +1        | +0   | -1        | +0   | -1                  | +0   |
| 5. H-SIZE                      | Horizontal width                             | +4                    | +0   | -8        | -8   | -7        | -6   | -7                  | -6   |
| 6. EW-PIN                      | Side pin correction                          | +9                    | -1   | -1        | +0   | -4        | -2   | -4                  | -2   |
| 7. TRAPEZ                      | Trapezoidal distortion correction            | -2                    | +0   | +0        | +0   | +0        | +0   | +0                  | +0   |
| 8. EW.COR.L                    | CORNER PIN correction Low side               | -2                    | +0   | +0        | +0   | +0        | +0   | +0                  | +0   |
| 9. EW.COR.H                    | CORNER PIN correction High side              | +0                    | +1   | +0        | +0   | +2        | -2   | +2                  | -2   |
| 10.V.S-COR                     | Vertical height correction                   | -15                   | -1   | -17       | -17  | -17       | -17  | -17                 | -17  |
| 11.V-LIN                       | Vertical Linearity                           | -4                    | -3   | +0        | +3   | -2        | +4   | -2                  | +4   |
| 12.H-BLK-R                     | BLANKING POSITION of Right side              | +0                    | +0   | +99       | +99  | +0        | +0   | +0                  | +0   |
| 13.H-BLK-L                     | BLANKING POSITION of Left side               | +0                    | +0   | +1        | +1   | +0        | +0   | +0                  | +0   |
| 14.V-EHT<br>(Do not adjust)    | V size correction level caused by EHT change | -2                    | +0   | +0        | +0   | +0        | +0   | +0                  | +0   |
| 15.H-EHT<br>(Do not adjust)    | H size correction level caused by EHT change | -3                    | +0   | +0        | +0   | +0        | +0   | +0                  | +0   |
| 16.EHT-GAIN<br>(Do not adjust) | Size correction gain caused by EHT change    | +0                    | +0   | +0        | +0   | +0        | +0   | +0                  | +0   |

### Initial setting value (2/2)

| Setting Item                   | Adjustment name                             | Initial setting value |      |         |      |
|--------------------------------|---|-----------------------|------|---------|------|
|                                |   | FULL                  |      | REGULAR |      |
|                                |   | 50Hz                  | 60Hz | 50Hz    | 60Hz |
| 1. V-SHIFT                     | Vertical center                             | +1                    | +1   | +1      | +1   |
| 2. V-SIZE                      | Vertical height                             | -8                    | -7   | -7      | -3   |
| 3. SUBTITLE                    | SUBTITLE BOTTOM Vertical Linearity          | +0                    | +0   | +0      | +0   |
| 4. H-CENT                      | Horizontal center                           | -1                    | +0   | +2      | +0   |
| 5. H-SIZE                      | Horizontal width                            | -7                    | -6   | -17     | -18  |
| 6. EW-PIN                      | Side pin correction                         | +0                    | -1   | -3      | +0   |
| 7. TRAPEZ                      | Trapezoidal distortion correction           | +2                    | +0   | +4      | +3   |
| 8. EW.COR.L                    | CORNER PIN correction Low side              | +0                    | +0   | +0      | +0   |
| 9. EW.COR.H                    | CORNER PIN correction High side             | +0                    | +0   | +0      | +0   |
| 10.V.S-COR                     | Vertical height correction                  | -17                   | -17  | -17     | -17  |
| 11.V-LIN                       | Vertical Linearity                          | +2                    | +3   | +4      | +1   |
| 12.H-BLK-R                     | BLANKING POSITION of Right side             | +0                    | +0   | +99     | +99  |
| 13.H-BLK-L                     | BLANKING POSITION of Left side              | +0                    | +0   | +1      | +1   |
| 14.V-EHT<br>(Do not adjust)    | Vsize correction level caused by EHT change | +0                    | +0   | +0      | +0   |
| 15.H-EHT<br>(Do not adjust)    | Hsize correction level caused by EHT change | +0                    | +0   | +0      | +0   |
| 16.EHT-GAIN<br>(Do not adjust) | Size correction gain caused by EHT change   | +0                    | +0   | +0      | +0   |

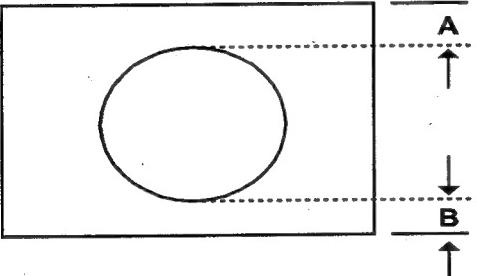
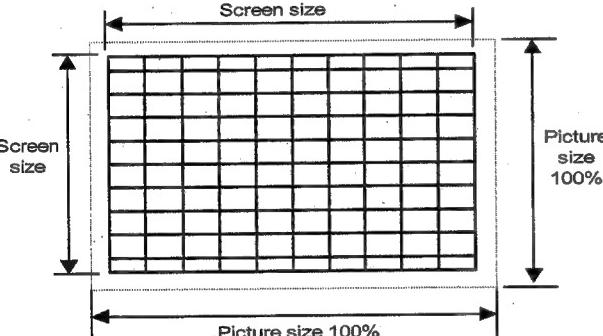
AV-32WFT1EPG  
AV-32WFT1EPS  
AV-32WFT1EKS

**Initial setting value (1/2) 32" model**

| Setting item                   | Adjustment name                             | Initial setting value |      |           |      |           |      |                     |      |
|--------------------------------|---|-----------------------|------|-----------|------|-----------|------|---------------------|------|
|                                |   | PANORAMIC             |      | 14:9 ZOOM |      | 16:9 ZOOM |      | 16:9 ZOOM SUB TITLE |      |
|                                |   | 50Hz                  | 60Hz | 50Hz      | 60Hz | 50Hz      | 60Hz | 50Hz                | 60Hz |
| 1. V-SHIFT                     | Vertical center                             | -10                   | +0   | +0        | +0   | +0        | +0   | +0                  | +0   |
| 2. V-SIZE                      | Vertical height                             | +3                    | +6   | +11       | +5   | +31       | +22  | +31                 | +22  |
| 3. SUBTITLE                    | SUBTITLE BOTTOM Vertical Linearity          | -8                    | +0   | +0        | +0   | +0        | +0   | +12                 | +3   |
| 4. H-CENT                      | Horizontal center                           | -15                   | +0   | +0        | +0   | +0        | +0   | +0                  | +0   |
| 5. H-SIZE                      | Horizontal width                            | +4                    | +0   | -9        | -9   | -5        | -5   | -5                  | -5   |
| 6. EW-PIN                      | Side pin correction                         | +9                    | +4   | -3        | -4   | -2        | -6   | -2                  | -6   |
| 7. TRAPEZ                      | Trapezoidal distortion correction           | -1                    | +0   | +0        | -3   | -2        | -3   | -2                  | -3   |
| 8. EW.COR.L                    | CORNER PIN correction Low side              | +0                    | +0   | +0        | +0   | +0        | +0   | +0                  | +0   |
| 9. EW.COR.H                    | CORNER PIN correction High side             | +1                    | +0   | +0        | +0   | +0        | +0   | +0                  | +0   |
| 10.V.S-COR                     | Vertical height correction                  | -15                   | +0   | -17       | -17  | -17       | -17  | -17                 | -17  |
| 11.V-LIN                       | Vertical Linearity                          | -3                    | +0   | +4        | +0   | -1        | +0   | -1                  | +0   |
| 12.H-BLK-R                     | BLANKING POSITION of Right side             | +0                    | +0   | +99       | +99  | +0        | +0   | +0                  | +0   |
| 13.H-BLK-L                     | BLANKING POSITION of Left side              | +0                    | +0   | +1        | +1   | +0        | +0   | +0                  | +0   |
| 14.V-EHT<br>(Do not adjust)    | Vsize correction level caused by EHT change | -2                    | +0   | +0        | +0   | +0        | +0   | +0                  | +0   |
| 15.H-EHT<br>(Do not adjust)    | Hsize correction level caused by EHT change | -3                    | +0   | +0        | +0   | +0        | +0   | +0                  | +0   |
| 16.EHT-GAIN<br>(Do not adjust) | Size correction gain caused by EHT change   | +0                    | +0   | +0        | +0   | +0        | +0   | +0                  | +0   |

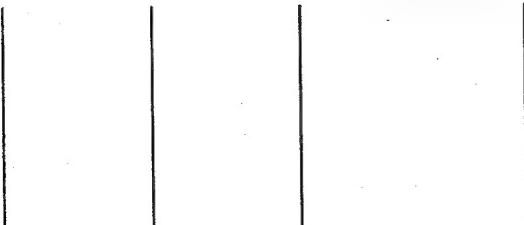
**Initial setting value (2/2)**

| Setting item                   | Adjustment name                             | Initial setting value |      |         |      |
|--------------------------------|---|-----------------------|------|---------|------|
|                                |   | FULL                  |      | REGULAR |      |
|                                |   | 50Hz                  | 60Hz | 50Hz    | 60Hz |
| 1. V-SHIFT                     | Vertical center                             | +0                    | +0   | +0      | +0   |
| 2. V-SIZE                      | Vertical height                             | -11                   | -18  | -9      | -15  |
| 3. SUBTITLE                    | SUBTITLE BOTTOM Vertical Linearity          | +0                    | +0   | +0      | +0   |
| 4. H-CENT                      | Horizontal center                           | +0                    | +0   | +0      | +0   |
| 5. H-SIZE                      | Horizontal width                            | -5                    | -5   | -22     | -22  |
| 6. EW-PIN                      | Side pin correction                         | -2                    | -2   | -4      | -6   |
| 7. TRAPEZ                      | Trapezoidal distortion correction           | -1                    | -2   | -2      | -1   |
| 8. EW.COR.L                    | CORNER PIN correction Low side              | +0                    | +0   | +0      | +0   |
| 9. EW.COR.H                    | CORNER PIN correction High side             | +0                    | +0   | +0      | +0   |
| 10.V.S-COR                     | Vertical height correction                  | -17                   | -17  | -17     | -17  |
| 11.V-LIN                       | Vertical Linearity                          | +4                    | +1   | +3      | +0   |
| 12.H-BLK-R                     | BLANKING POSITION of Right side             | +0                    | +0   | +99     | +99  |
| 13.H-BLK-L                     | BLANKING POSITION of Left side              | +0                    | +0   | +1      | +1   |
| 14.V-EHT<br>(Do not adjust)    | Vsize correction level caused by EHT change | +0                    | +0   | +0      | +0   |
| 15.H-EHT<br>(Do not adjust)    | Hsize correction level caused by EHT change | +0                    | +0   | +0      | +0   |
| 16.EHT-GAIN<br>(Do not adjust) | Size correction gain caused by EHT change   | +0                    | +0   | +0      | +0   |

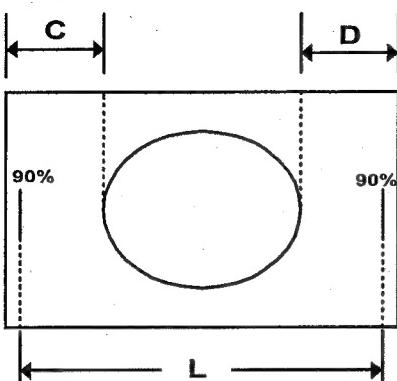
| Item                            | Measuring instrument                    | Test point | Adjustment part        | Description   |
|---------------------------------|---|------------|------------------------|---|
| Adjustment of V-SHIFT           | Signal generator<br>Remote control unit |            | 1.V-SHIFT              | <p>[50Hz PANORAMIC mode]</p> <ol style="list-style-type: none"> <li>1. Receive a circle pattern signal of vertical frequency 50Hz.</li> <li>2. Select 4.DEF from the SERVICE MENU.</li> <li>3. Select 1.V-SHIFT with the FUNCTION UP/DOWN key.</li> <li>4. Adjust V-SHIFT to make A = B.</li> <li>5. Press the MENU key and memorize the set value.</li> </ol> <p>* For JK chassis<br/>         Set all data except for "PANORAMIC" to "0".<br/>         Adjust V.CENTER of other aspects with "PANORAMIC" mode while also taking their positions into consideration. If you want to obtain horizontal lines with less noise on the screen, adjust V.LIN instead of "PANORAMIC" mode.</p>  |
| Adjustment of V-SIZE & SUBTITLE |   |            | 2.V-SIZE<br>3.SUBTITLE | <ol style="list-style-type: none"> <li>6. Receive a cross-hatch signal.</li> <li>7. Select 2.V-SIZE and set the initial setting value.</li> <li>8. Adjust V-SIZE and make sure that the vertical screen size of the picture size is in the bellow table.</li> <li>9. Press the MENU key and memorize the set value.</li> <li>10. When adjust the [SUBTITLE], select "3.SUBTITLE" and adjust to under part of picture size.</li> <li>11. Input a NTSC VIDEO signal (60Hz) from the EXT terminal, and make sure that the vertical screen size is in the table below.</li> <li>12. Press the MENU key and memorize the set value.</li> </ol>    |

| ASPECT MODE   | PANORAMIC | 14 : 9 ZOOM | 16 : 9 ZOOM | 16 : 9 ZOOM SUB TITLE | FULL | REGULAR |
|---------------|-----------|-------------|-------------|-----------------------|------|---------|
| SCREEN TOP    | 87%       | 80%         | 70%         | 70%                   | 92%  | 92%     |
| SCREEN BOTTOM | 87%       | 80%         | 70%         | 83%                   | 92%  | 92%     |

[ SCREEN SIZE ]



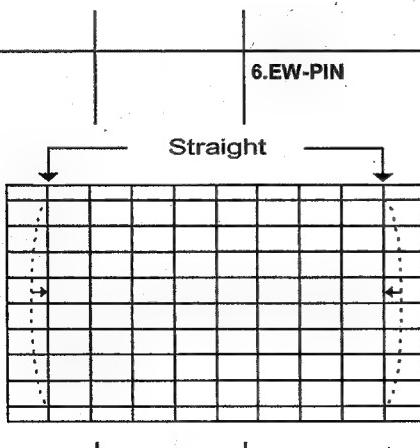
AV-28WFT1EPG AV-28WFT1EIS  
 AV-28WFT1EPS AV-32WFT1EPG  
 AV-28WFT1EKS AV-32WFT1EPS  
 AV-28WFT1EK AV-32WFT1EKS

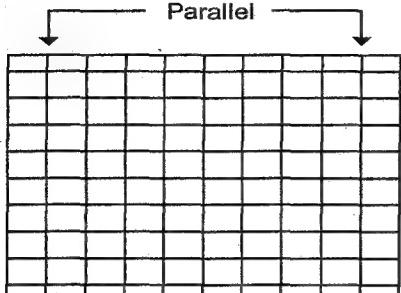
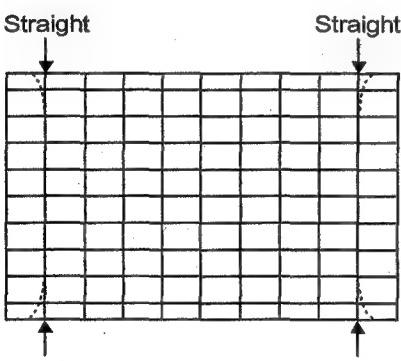
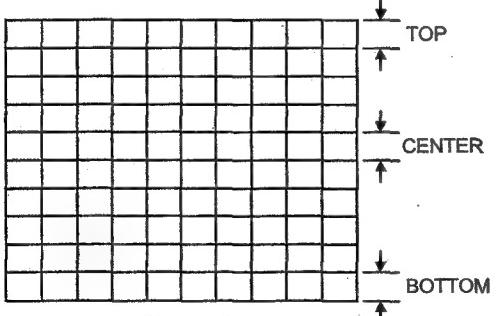
| Item                   | Measuring instrument | Test point | Adjustment part | Description   |
|------------------------|----------------------|------------|-----------------|---|
| Adjustment of H.CENTER |                      |            | 4.H-CENT.       | <p>13. Receive a circle pattern signal.<br/>     14. Select 4.H-CENT and set the initial setting value.<br/>     15. Adjust H-CENT to make C=D.<br/>     16. Press the MENU key and memorize the set value.</p>  |

|                      |  |  |          |   |
|----------------------|--|--|----------|---|
| Adjustment of H.SIZE |  |  | 5.H-SIZE | <p>17. Receive a circle pattern signal.<br/>     18. Select 5.H-SIZE and set the initial setting value.<br/>     19. Adjust H-SIZE and make sure that the horizontal screen size of the picture size is in the below table.<br/>     20. Press the MENU key and memorize the set value.</p> <p>※ The numeric of the REGULAR and 14:9 ZOOM modes are shown the length of the 90% horizontal size position( L ) as shown in the figure above.</p> <p>21. Input a NTSC VIDEO signal (60Hz) from the EXT terminal, and make sure that the horizontal screen size of the each ASPECT mode is in the below table.<br/>     22. Press the MENU key and memorize the set value.</p> |
|----------------------|--|--|----------|---|

| ASPECT MODE | PANORAMIC | 14:9 ZOOM           | 16:9 ZOOM | 16:9 ZOOM SUB TITLE | FULL | REGULAR        |
|-------------|-----------|---------------------|-----------|---------------------|------|----------------|
| H SIZE      | 32"       | PAL=95%<br>NTSC=94% | L=570mm   | 92%                 | 92%  | 92%<br>L=500mm |
|             | 28"       | PAL=95%<br>NTSC=94% | L=495mm   | 92%                 | 92%  | 92%<br>L=440mm |

#### [ SCREEN SIZE ]

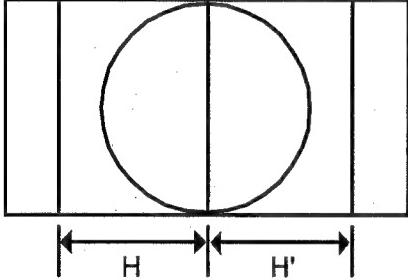
|                      |  |          |   |
|----------------------|--|----------|---|
| Adjustment of EW-PIN |  | 6.EW-PIN | <p>23. Select 6.EW-PIN and set the initial setting value.<br/>     24. Adjust EW-PIN and make the 2nd vertical lines at the left and right edges of the screen straight. Also make sure that the 3rd vertical lines are straight.<br/>     25. Press the MENU key and memorize the set value.</p>  |
|----------------------|--|----------|---|

| Item                          | Measuring instrument                    | Test point | Adjustment part              | Description  |
|-------------------------------|---|------------|------------------------------|--|
| Adjustment of TRAPEZ          | Signal generator<br>Remote control unit |            | 7.TRAPEZ                     | <p>26. Receive a cross-hatch signal.<br/>         27. Select 7.TRAPEZ with the FUNCTION UP/DOWN key.<br/>         28. Set the initial setting value of TRAPEZ with the FUNCTION - or + key.<br/>         29. Adjust TRAPEZ and bring the VERTICAL lines at the right and left edges of the screen parallel .<br/>         30. Press the MENU key and memorize the set value.</p>    |
| Adjustment of EW. COR. L/H    | Signal generator<br>Remote control unit |            | 8.EW. COR. L<br>9.EW. COR. H | <p>31. Select 8.EW. COR. L with the FUNCTION UP / DOWN key.<br/>         32. Set the initial setting value of EW. COR. L with the FUNCTION - or + key.<br/>         33. Adjust EW. COR. L, and bring the straight line at the low corner.<br/>         34. Select 9.EW. COR. H with the FUNCTION UP / DOWN key.<br/>         35. Set the initial setting value of EW. COR. H with the FUNCTION - or + key.<br/>         36. Adjust EW. COR. H, and bring the straight line at the upper corner.<br/>         37. Press the MENU key and memorize the set value.</p>    |
| Adjustment of V-S.CR & V.LINE |   |            | 10. V-S.CR<br>11. V-LIN      | <ul style="list-style-type: none"> <li>● When the vertical linearity has been deteriorated remarkably, perform the following steps.</li> </ul> <p>38. Receive a cross-hatch signal.<br/>         39. Select 11.V-LIN with the FUNCTION UP/DOWN key.<br/>         40. Set the initial setting value of 11.V-LIN with the FUNCTION - / + key.<br/>         41. Select 10.V-S.COR with the FUNCTION UP / DOWN key.<br/>         42. Set the initial setting value of 10.V-S.COR with the FUNCTION - / + key.<br/>         43. Adjust 11.V-LIN and 10.V-S.COR so that the spaces of each line on TOP, CENTER and BOTTOM become uniform.</p> <p>NOTE :Do not adjust "PANORAMIC" &amp; "16 : 9 ZOOM SUBTITLE" mode.<br/>         * For JK chassis<br/>         On account of CRT (ITC), set V-S.COR except for "PANORAMIC" mode to the minimum.<br/>         When adjusting "PANORAMIC" mode, slightly expand the space at the CENTER while taking the circularity at the CENTER into consideration.</p>  |

AV-28WFT1EPG AV-28WFT1EIS  
 AV-28WFT1EPS AV-32WFT1EPG  
 AV-28WFT1EKS AV-32WFT1EPS  
 AV-28WFT1EK AV-32WFT1EKS

| Item | Measuring instrument | Test point | Adjustment part | Description  |
|------|----------------------|------------|-----------------|--|
|      |                      |            |                 | <p>At first the adjustment in 50Hz-PANORAMIC mode should be done, then the data for the other zoom mode is corrected in the respective value at the same time. And confirm the deflection adjustment initial setting value in 60Hz( NTSC EXT mode ) PANORAMIC mode. If the adjustment in 50Hz each zoom mode has been done and stored, the data for the same aspect modes in 60Hz is corrected in the respective value. Only the data for the other aspect mode in 60Hz is corrected for itself.</p> |

## H. BLANKING ADJUSTMENT

| Item                     | Measuring instrument | Test point | Adjustment part                                | Description  |
|--------------------------|----------------------|------------|--|--|
| Adjustment of H.BLANKING |                      |            | <b>H.BLK Capacitor</b><br><b>[On MAIN PWB]</b> | <p>1. Receive the PAL circle pattern signal.<br/>     2. Select 4.DEF from the SERVICE MENU.<br/>     3. Select the aspect [14:9 ZOOM] mode.<br/>     4. Choose 12.H-BLK-R with the FUNCTION UP/DOWN key and adjust H'-BLANKING so that 92% of the picture on the right side is displayed.<br/>     5. Choose 13.H-BLK-L with the FUNCTION UP/DOWN key and adjust H-BLANKING so that 92% of the picture on the left side is displayed.<br/>     6. Press the MENU key and memorize the set value.<br/>     7. Select the aspect [REGULAR] mode.<br/>     8. Choose 12.H-BLK-R with the FUNCTION UP/DOWN key and adjust H'.BLANKING so that 92% of the picture on the right side is displayed.<br/>     9. Choose 13.H-BLK-L with the FUNCTION UP/DOWN key and adjust H-BLANKING so that 92% of the picture on the left side is displayed.<br/>     10. Press the MENU key and memorize the set value.</p>  |

AV-28WFT1EPG AV-28WFT1EIS  
AV-28WFT1EPS AV-32WFT1EPG  
AV-28WFT1EKS AV-32WFT1EPS  
AV-28WFT1EK AV-32WFT1EKS

## AUDIO CIRCUIT ADJUSTMENT

- Do not touch 3.AUDIO(1. CONC LIMIT, 2. A2 ID THR, 3. ALC, 4. BASS, 5. TREBLE) of the SERVICE MENU as it requires no adjustment.

### 3. AUDIO

| Setting item                          | Variable range                | fixed value |
|---------------------------------------|-------------------------------|-------------|
| 1. CONC LIMIT( <i>Do not adjust</i> ) | 00H ~ FFH                     | 0AH         |
| 2. A2 ID THR( <i>Do not adjust</i> )  | 00H ~ FFH                     | 19H         |
| 3. ALC ( <i>Do not adjust</i> )       | → 20MSEC → 2SEC → 4SEC → 8SEC | _____       |
| 4. BASS ( <i>Do not adjust</i> )      | -17 ~ +17                     | +0          |
| 5. TREBLE ( <i>Do not adjust</i> )    | -17 ~ +17                     | +0          |

AV-28WFT1EPG AV-28WFT1EIS  
AV-28WFT1EPS AV-32WFT1EPG  
AV-28WFT1EKS AV-32WFT1EPS  
AV-28WFT1EK AV-32WFT1EKS

## REPLACEMENT OF CHIP COMPONENT

### ■ CAUTIONS

1. Avoid heating for more than 3 seconds.
2. Do not rub the electrodes and the resist parts of the pattern.
3. When removing a chip part, melt the solder adequately.
4. Do not reuse a chip part after removing it.

### ■ SOLDERING IRON

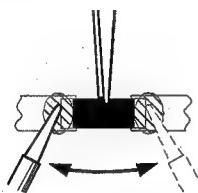
1. Use a high insulation soldering iron with a thin pointed end of it.
2. A 30w soldering iron is recommended for easily removing parts.

### ■ REPLACEMENT STEPS

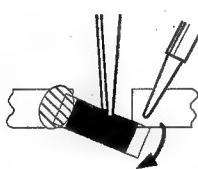
#### 1. How to remove Chip parts

##### ◆ Resistors, capacitors, etc

- (1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.

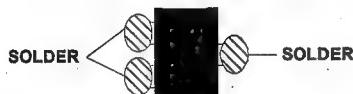


- (2) Shift with tweezers and remove the chip part.

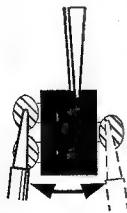


##### ◆ Transistors, diodes, variable resistors, etc

- (1) Apply extra solder to each lead.



- (2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.

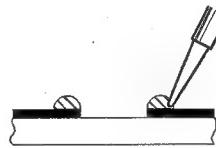


Note : After removing the part, remove remaining solder from the pattern.

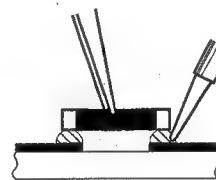
#### 2. How to install Chip parts

##### ◆ Resistors, capacitors, etc

- (1) Apply solder to the pattern as indicated in the figure.

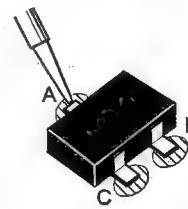


- (2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

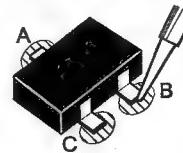


##### ◆ Transistors, diodes, variable resistors, etc

- (1) Apply solder to the pattern as indicated in the figure.
- (2) Grasp the chip part with tweezers and place it on the solder.
- (3) First solder lead A as indicated in the figure.



- (4) Then solder leads B and C.



AV-28WFT1EPG AV-28WFT1EIS  
 AV-28WFT1EPS AV-32WFT1EPG  
 AV-28WFT1EKS AV-32WFT1EPS  
 AV-28WFT1EK AV-32WFT1EKS

# PARTS LIST

## CAUTION

- The parts identified by the  $\Delta$  symbol are important for the safety. Whenever replacing these parts, be sure to use specified ones to secure the safety.
- The parts not indicated in this Parts List and those which are filled with lines — in the Parts No. columns will not be supplied.
- P. W. Board Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.

## ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

| RESISTORS   |  | CAPACITORS      |   |
|-------------|--|-----------------|---|
| C R         | Carbon Resistor                                  | C CAP.          | Ceramic Capacitor                             |
| F R         | Fusible Resistor                                 | E CAP.          | Electrolytic Capacitor                        |
| P R         | Plate Resistor                                   | M CAP.          | Mylar Capacitor                               |
| V R         | Variable Resistor                                | H V CAP.        | High Voltage Capacitor                        |
| H V R       | High Voltage Resistor                            | MF CAP.         | Metalized Film Capacitor                      |
| M F R       | Metal Film Resistor                              | MM CAP.         | Metalized Mylar Capacitor                     |
| M G R       | Metal Glazed Resistor                            | MP CAP.         | Metalized Polystyrol Capacitor                |
| M P R       | Metal Plate Resistor                             | PP CAP.         | Polypropylene Capacitor                       |
| O M R       | Metal Oxide Film Resistor                        | PS CAP.         | Polystyrol Capacitor                          |
| C M F R     | Coating Metal Film Resistor                      | TF CAP.         | Thin Film Capacitor                           |
| U N F R     | Non-Flammable Resistor                           | MPP CAP.        | Metalized Polypropylene Capacitor             |
| C H V R     | Chip Variable Resistor                           | TAN. CAP.       | Tantalum Capacitor                            |
| C H M G R   | Chip Metal Glazed Resistor                       | CH C CAP.       | Chip Ceramic Capacitor                        |
| C O M P . R | Composition Resistor                             | B P E CAP.      | Bi-Polar Electrolytic Capacitor               |
| L P T C R   | Linear Positive Temperature Coefficient Resistor | CH AL E CAP.    | Chip Aluminum Electrolytic Capacitor          |
|             |  | CH AL BP CAP.   | Chip Aluminum Bi-Polar Capacitor              |
|             |  | CH TAN. E CAP.  | Chip Tantalum Electrolytic Capacitor          |
|             |  | CH AL BP E CAP. | Chip Tantalum Bi-Polar Electrolytic Capacitor |

## TOLERANCES

| F         | G         | J         | K          | M          | N          | R            | H            | Z            | P            |
|-----------|-----------|-----------|------------|------------|------------|--------------|--------------|--------------|--------------|
| $\pm 1\%$ | $\pm 2\%$ | $\pm 5\%$ | $\pm 10\%$ | $\pm 20\%$ | $\pm 30\%$ | +30%<br>-10% | +50%<br>-10% | +80%<br>-20% | +100%<br>-0% |

AV-28WFT1EPG · AV-28WFT1EIS  
AV-28WFT1EPS  
AV-28WFT1EKS  
AV-28WFT1EK

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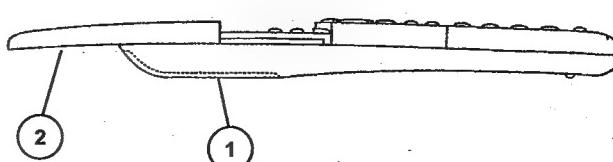
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## USING PW BOARD & REMOTE CONTROL UNIT

| Model<br>PWB ASS'Y  | AV-28WFT1EPG | AV-28WFT1EPS | AV-28WFT1EIS | AV-28WFT1EKS | AV-28WFT1EK |
|---------------------|--------------|--------------|--------------|--------------|-------------|
| MAIN PWB            | SJK-1702A-U2 | ←            | ←            | SJK-1902A-U2 | ←           |
| POWER & DEF. PWB    | SJK-2502A-U2 | ←            | ←            | ←            | ←           |
| CRT SOCKET PWB      | SJK-3502A-U2 | ←            | ←            | ←            | ←           |
| FRONT CONTROL PWB   | SJK-8502A-U2 | ←            | ←            | ←            | ←           |
| AV SEL. PWB         | SJK0S701A-U2 | ←            | ←            | SJK0S901A-U2 | ←           |
| REMOTE CONTROL UNIT | RM-C50-1C    | ←            | RM-C51-1C    | ←            | ←           |

## REMOTE CONTROL UNIT PARTS LIST

| △ Ref. No. | Part No.  | Part Name     | Description |
|------------|-----------|---------------|-------------|
| 1          | 2AA027770 | BATTERY COVER |             |
| 2          | 2AA027761 | SLIDE COVER   | (RM-C50-1C) |
| 2          | 2AA027762 | SLIDE COVER   | (RH-C51-1C) |



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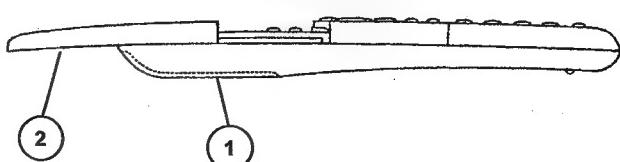
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## USING PW BOARD & REMOTE CONTROL UNIT

| PWB ASS'Y \ Model   | AV-32WFT1EPG | AV-32WFT1EPS | AV-32WFT1EKS |
|---------------------|--------------|--------------|--------------|
| MAIN PWB            | SJK-1701A-U2 | ←            | SJK-1901A-U2 |
| POWER & DEF. PWB    | SJK-2501A-U2 | ←            | ←            |
| CRT SOCKET PWB      | SJK-3501A-U2 | ←            | ←            |
| FRONT CONTROL PWB   | SJK-8501A-U2 | ←            | ←            |
| AV SEL. PWB         | SJK0S701A-U2 | ←            | SJK0S901A-U2 |
| REMOTE CONTROL UNIT | RM-C50-1C    | ←            | RM-C51-1C    |

## REMOTE CONTROL UNIT PARTS LIST

| ▲ Ref. No. | Part No.  | Part Name     | Description |
|------------|-----------|---------------|-------------|
| 1          | 2AA027770 | BATTERY COVER |             |
| 2          | 2AA027761 | SLIDE COVER   | (RM-C50-1C) |
| 2          | 2AA027762 | SLIDE COVER   | (RM-C51-1C) |



AV-28WFT1EPG AV-28WFT1EIS  
 AV-28WFT1EPS  
 AV-28WFT1EKS  
 AV-28WFT1EK

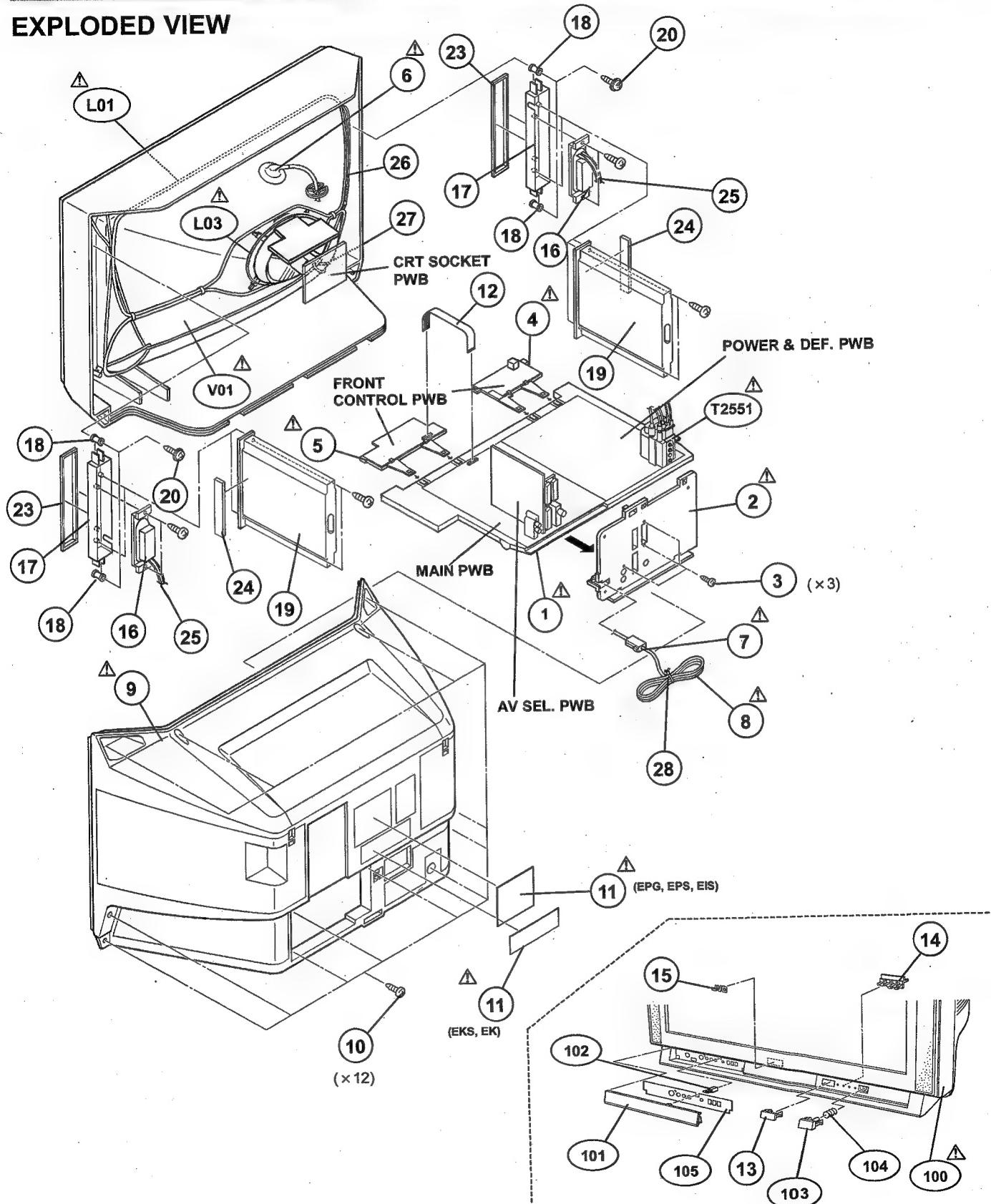
## AV-28WFT1EPG / AV-28WFT1EPS / AV-28WFT1EIS / AV-28WFT1EKS / AV-28WFT1EK

### EXPLODED VIEW PARTS LIST

| Ref. No. | Part No.       | Part Name          | Description                               |
|----------|----------------|--------------------|---|
| △ V01    | W66ERF031X013  | CRT (ITC)          |   |
| △ L01    | QQW0070-001    | DEG COIL           |   |
| △ L03    | CELD904-001    | ROTATION COIL      |   |
| △ T2551  | QQH0065-002-I2 | FBT                | (SERVICE) Within POWER DEF PWB            |
| △ 1      | LC10716-002D-U | CHASSIS BASE       |   |
| △ 2      | LC10717-003C-U | AV BOARD           |   |
| △ 3      | QYSBSB3012M    | TAPPING SCREW      | (x 3) For AV BOARD                        |
| △ 4      | LC10380-003B-U | CONTROL BASE L     |   |
| △ 5      | LC10380-004B-U | CONTROL BASE R     |   |
| △ 6      | QNZ0407-001    | ANODE WIRE         |   |
| △ 7      | CM46618-A01-E  | POWER CORD CLAMP   |   |
| △ 8      | QMPK160-185-JC | POWER CORD         | [AV-28WFT1EPG/EPS]                        |
| △ 8      | QMPN130-185-JC | POWER CORD         | [AV-28WFT1EIS/EKS/EK]                     |
| △ 9      | LC10664-001C-U | REAR COVER         | [AV-28WFT1EPG/EK]                         |
| △ 9      | LC10664-002A-U | REAR COVER         | [AV-28WFT1EPS/EIS/EKS]                    |
| 10       | QYSBSAG4016N   | TAPPING SCREW      | (x 12)                                    |
| △ 11     | LC20542-003A-U | RATING LABEL       | [AV-28WFT1EPG]                            |
| △ 11     | LC20542-004A-U | RATING LABEL       | [AV-28WFT1EPS]                            |
| △ 11     | LC20080-007A-U | RATING LABEL       | [AV-28WFT1EIS]                            |
| △ 11     | LC20091-012A-U | RATING LABEL       | [AV-28WFT1EKS]                            |
| △ 11     | LC20091-014A-U | RATING LABEL       | [AV-28WFT1EK]                             |
| 12       | CHFD125-08BD   | FFC WIRE           |   |
| 13       | LC30579-001B-C | REMOCOM WINDOW     |   |
| 14       | LC30580-001B-C | L. E. D. LENS      |   |
| 15       | LC40354-001C-C | JVC MARK           |   |
| 16       | QAS0046-001    | SPEAKER            | (x 2) SP01, SP02                          |
| 17       | LC10720-001B-U | SPEAKER ADAPTER    | (x 2)                                     |
| 18       | LC40226-001A   | SPACER             | (x 4)                                     |
| 19       | LC10721-001B-U | SPEAKER BOX        | (x 2)                                     |
| 20       | LC40506-001A   | TAP SCREW          | (x 4) For SPEAKER ADAPTER                 |
| 23       | LC30599-005A   | STICK SHEET        | (x 2)                                     |
| 24       | AEM3029-A11-E  | STICK SHEET        | (x 4)                                     |
| 25       | CHGS0061-0B-N  | S. P. WIRE ASSY    | (x 2)                                     |
| 26       | WJY0001-004A   | E-BRAIDED ASSY     |   |
| 27       | CHGB0017-0B    | BRAIDED SUB ASSY   | (x 2)                                     |
| 28       | CM48170-001    | BEAD TIE           |   |
| △ 100    | LC10662-005A-U | FRONT CABI ASSY    | Inc. No. 101 ~ 105 [AV-28WFT1EPG]         |
| △ 100    | LC10662-006A-U | FRONT CABI ASSY    | Inc. No. 101 ~ 105 [AV-28WFT1EPS/EIS/EKS] |
| △ 100    | LC10662-003C-U | FRONT CABINET ASSY | Inc. No. 101 ~ 105 [AV-28WFT1EK]          |
| 101      | LC20265-003A-U | DOOR               | (SERVICE) [AV-28WFT1EPG]                  |
| 101      | LC20265-010A-U | DOOR               | (SERVICE) [AV-28WFT1EPS/EIS/EKS]          |
| 101      | LC20265-006A-U | DOOR               | (SERVICE) [AV-28WFT1EK]                   |
| 102      | CM48229-00A    | DOOR LATCH         |   |
| 103      | LC30578-002A-C | POWER KNOB         | (SERVICE) [AV-28WFT1EPG]                  |
| 103      | LC30578-006A-C | POWER KNOB         | (SERVICE) [AV-28WFT1EPS/EIS/EKS]          |
| 103      | LC30578-004A-C | POWER KNOB         | (SERVICE) [AV-28WFT1EK]                   |
| 104      | CM35235-003-H  | SPRING             |   |
| 105      | LC31109-002A-U | CONTROL SHEET      | [AV-28WFT1EPG]                            |
| 105      | LC31109-004A-U | CONTROL SHEET      | [AV-28WFT1EPS/EIS/EKS/EK]                 |

**AV-28WFT1EPG / AV-28WFT1EPS / AV-28WFT1EIS /  
 AV-28WFT1EKS / AV-28WFT1EK**

**EXPLODED VIEW**



# AV-28WFT1EPG / AV-28WFT1EPS / AV-28WFT1EIS

## PRINTED WIRING BOARD PARTS LIST

MAIN PW BOARD ASS'Y (SJK-1702A-U2)

| △               | Symbol No.   | Part No. | Part Name     | Description | △        | Symbol No.   | Part No. | Part Name     | Description |
|-----------------|--------------|----------|---------------|-------------|----------|--------------|----------|---------------|-------------|
| <b>RESISTOR</b> |              |          |               |             |          |              |          |               |             |
| R1001-06        | NRSA02J-102X | MG R     | 1kΩ 1/10W J   |             | R1554    | NRSA02J-333X | MG R     | 33kΩ 1/10W J  |             |
| R1007           | NRSA02J-104X | MG R     | 100kΩ 1/10W J |             | R1555    | NRSA02J-472X | MG R     | 4.7kΩ 1/10W J |             |
| R1008           | NRSA02J-0R0X | MG R     | 0.0Ω 1/10W J  |             | R1556    | NRSA02J-154X | MG R     | 150kΩ 1/10W J |             |
| R1301           | NRSA02J-103X | MG R     | 10kΩ 1/10W J  |             | R1557-58 | NRSA02J-562X | MG R     | 5.6kΩ 1/10W J |             |
| R1302           | NRSA02J-183X | MG R     | 18kΩ 1/10W J  |             | R1559    | NRSA02J-0R0X | MG R     | 0.0Ω 1/10W J  |             |
| R1303           | NRSA02J-153X | MG R     | 15kΩ 1/10W J  |             | R1560    | NRSA02J-104X | MG R     | 100kΩ 1/10W J |             |
| R1304           | QRG01GJ-121  | OM R     | 120Ω 1W J     |             | R1561    | QRE121J-100Y | C R      | 10Ω 1/2W J    |             |
| R1305           | NRSA02J-562X | MG R     | 5.6kΩ 1/10W J |             | R1571    | NRSA02J-101X | MG R     | 100Ω 1/10W J  |             |
| R1306           | NRSA02J-222X | MG R     | 2.2kΩ 1/10W J |             | R1572    | NRSA02J-133X | MG R     | 13kΩ 1/10W J  |             |
| R1307-08        | NRSA02J-102X | MG R     | 1kΩ 1/10W J   |             | R1573    | NRSA02J-821X | MG R     | 82Ω 1/10W J   |             |
| R1309           | NRSA02J-222X | MG R     | 2.2kΩ 1/10W J |             | R1602    | NRSA02J-104X | MG R     | 100kΩ 1/10W J |             |
| R1310-11        | NRSA02J-391X | MG R     | 390Ω 1/10W J  |             | R1604    | NRSA02J-393X | MG R     | 39kΩ 1/10W J  |             |
| R1312-13        | NRSA02J-101X | MG R     | 100Ω 1/10W J  |             | R1605    | NRSA02J-681X | MG R     | 68Ω 1/10W J   |             |
| R1314           | NRSA02J-562X | MG R     | 5.6kΩ 1/10W J |             | R1606    | NRSA02J-393X | MG R     | 39kΩ 1/10W J  |             |
| R1316           | NRSA02J-224X | MG R     | 220kΩ 1/10W J |             | R1607    | NRSA02J-681X | MG R     | 68Ω 1/10W J   |             |
| R1317           | NRSA02J-101X | MG R     | 100Ω 1/10W J  |             | R1608-09 | NRSA02J-233X | MG R     | 22kΩ 1/10W J  |             |
| R1318-21        | NRSA02J-102X | MG R     | 1kΩ 1/10W J   |             | R1610-11 | NRSA02J-822X | MG R     | 8.2kΩ 1/10W J |             |
| R1327           | NRSA02J-471X | MG R     | 470Ω 1/10W J  |             | R1633    | NRSA02J-273X | MG R     | 27kΩ 1/10W J  |             |
| R1328-29        | NRSA02J-102X | MG R     | 1kΩ 1/10W J   |             | R1638    | NRSA02J-473X | MG R     | 47kΩ 1/10W J  |             |
| R1330           | NRSA02J-472X | MG R     | 4.7kΩ 1/10W J |             | R1648    | NRSA02J-104X | MG R     | 100kΩ 1/10W J |             |
| R1331           | NRSA02J-333X | MG R     | 33kΩ 1/10W J  |             | R1649    | NRSA02J-682X | MG R     | 6.8kΩ 1/10W J |             |
| R1332-33        | NRSA02J-222X | MG R     | 2.2kΩ 1/10W J |             | R1650    | NRSA02J-104X | MG R     | 100kΩ 1/10W J |             |
| R1335           | NRSA02J-273X | MG R     | 27kΩ 1/10W J  |             | R1660    | QRK126J-2R2X | C R      | 2.2Ω 1/2W J   |             |
| R1336           | NRSA02J-103X | MG R     | 10kΩ 1/10W J  |             | R1661    | NRSA02J-103X | MG R     | 10kΩ 1/10W J  |             |
| R1337           | NRSA02J-102X | MG R     | 1kΩ 1/10W J   |             | R1663    | NRSA02J-561X | MG R     | 56Ω 1/10W J   |             |
| R1338           | NRSA02J-562X | MG R     | 5.6kΩ 1/10W J |             | R1664    | NRSA02J-562X | MG R     | 5.6kΩ 1/10W J |             |
| R1339           | NRSA02J-102X | MG R     | 1kΩ 1/10W J   |             | R1683    | QRK126J-2R2X | C R      | 2.2Ω 1/2W J   |             |
| R1340-41        | NRSA02J-333X | MG R     | 33kΩ 1/10W J  |             | R1689    | NRSA02J-473X | MG R     | 47kΩ 1/10W J  |             |
| R1342           | NRSA02J-152X | MG R     | 1.5kΩ 1/10W J |             | R1690    | QRG01GJ-270  | OM R     | 27Ω 1W J      |             |
| R1343           | NRSA02J-272X | MG R     | 2.7kΩ 1/10W J |             | R1701    | NRSA02J-221X | MG R     | 220Ω 1/10W J  |             |
| R1344           | NRSA02J-471X | MG R     | 470Ω 1/10W J  |             | R1702    | NRSA02J-822X | MG R     | 8.2kΩ 1/10W J |             |
| R1345           | NRSA02J-102X | MG R     | 1kΩ 1/10W J   |             | R1703    | NRSA02J-273X | MG R     | 27kΩ 1/10W J  |             |
| R1346           | NRSA02J-223X | MG R     | 22kΩ 1/10W J  |             | R1704    | NRSA02J-473X | MG R     | 47kΩ 1/10W J  |             |
| R1401-02        | NRSA02J-103X | MG R     | 10kΩ 1/10W J  |             | R1705    | NRSA02J-102X | MG R     | 1kΩ 1/10W J   |             |
| R1403           | NRSA02J-102X | MG R     | 1kΩ 1/10W J   |             | R1706    | NRSA02J-223X | MG R     | 22kΩ 1/10W J  |             |
| R1404           | NRSA02J-183X | MG R     | 18kΩ 1/10W J  |             | R1707-12 | NRSA02J-103X | MG R     | 10kΩ 1/10W J  |             |
| R1405           | NRSA02J-223X | MG R     | 22kΩ 1/10W J  |             | R1713-14 | NRSA02J-102X | MG R     | 1kΩ 1/10W J   |             |
| R1409           | NRSA02J-0R0X | MG R     | 0.0Ω 1/10W J  |             | R1716    | NRSA02J-102X | MG R     | 1kΩ 1/10W J   |             |
| R1411           | NRVA02D-473X | MF R     | 47kΩ 1/10W D  |             | R1717    | NRSA02J-104X | MG R     | 100kΩ 1/10W J |             |
| R1413           | NRVA02D-223X | MF R     | 22kΩ 1/10W D  |             | R1718-19 | NRSA02J-682X | MG R     | 6.8kΩ 1/10W J |             |
| R1414           | NRVA02D-101X | MF R     | 100Ω 1/10W D  |             | R1720    | NRSA02J-472X | MG R     | 4.7kΩ 1/10W J |             |
| R1415           | NRSA02J-562X | MG R     | 5.6kΩ 1/10W J |             | R1721    | NRSA02J-103X | MG R     | 10kΩ 1/10W J  |             |
| R1416           | NRSA02J-101X | MG R     | 100Ω 1/10W J  |             | R1722    | NRSA02J-472X | MG R     | 4.7kΩ 1/10W J |             |
| R1417           | NRSA02J-223X | MG R     | 22kΩ 1/10W J  |             | R1723    | NRSA02J-102X | MG R     | 1kΩ 1/10W J   |             |
| R1418           | NRSA02J-682X | MG R     | 6.8kΩ 1/10W J |             | R1724-28 | NRSA02J-472X | MG R     | 4.7kΩ 1/10W J |             |
| R1419           | NRSA02J-562X | MG R     | 5.6kΩ 1/10W J |             | R1729-31 | NRSA02J-221X | MG R     | 220Ω 1/10W J  |             |
| R1420           | NRSA02J-183X | MG R     | 18kΩ 1/10W J  |             | R1732    | NRSA02J-562X | MG R     | 5.6kΩ 1/10W J |             |
| R1501           | NRSA02J-621X | MG R     | 620Ω 1/10W J  |             | R1733    | NRSA02J-103X | MG R     | 10kΩ 1/10W J  |             |
| R1502           | NRSA02J-103X | MG R     | 10kΩ 1/10W J  |             | R1734    | NRSA02J-223X | MG R     | 22kΩ 1/10W J  |             |
| R1503           | NRSA02J-104X | MG R     | 100kΩ 1/10W J |             | R1736-39 | NRSA02J-103X | MG R     | 10kΩ 1/10W J  |             |
| R1504           | NRSA02J-103X | MG R     | 10kΩ 1/10W J  |             | R1740    | NRSA02J-331X | MG R     | 330Ω 1/10W J  |             |
| R1505-06        | NRSA02J-221X | MG R     | 220Ω 1/10W J  |             | R1741-44 | NRSA02J-102X | MG R     | 1kΩ 1/10W J   |             |
| R1507           | NRSA02J-102X | MG R     | 1kΩ 1/10W J   |             | R1745-47 | NRSA02J-472X | MG R     | 4.7kΩ 1/10W J |             |
| R1508-09        | NRSA02J-223X | MG R     | 22kΩ 1/10W J  |             | R1748-52 | NRSA02J-221X | MG R     | 220Ω 1/10W J  |             |
| R1511           | NRSA02J-0R0X | MG R     | 0.0Ω 1/10W J  |             | R1753    | NRSA02J-102X | MG R     | 1kΩ 1/10W J   |             |
| R1514           | NRSA02J-472X | MG R     | 4.7kΩ 1/10W J |             | R1754    | NRSA02J-683X | MG R     | 68kΩ 1/10W J  |             |
| R1516           | NRSA02J-222X | MG R     | 2.2kΩ 1/10W J |             | R1755    | NRSA02J-102X | MG R     | 1kΩ 1/10W J   |             |
| R1517           | NRSA02J-472X | MG R     | 4.7kΩ 1/10W J |             | R1756    | NRSA02J-103X | MG R     | 10kΩ 1/10W J  |             |
| R1518           | NRSA02J-682X | MG R     | 6.8kΩ 1/10W J |             | R1758    | NRSA02J-103X | MG R     | 10kΩ 1/10W J  |             |
| R1519           | NRSA02J-562X | MG R     | 5.6kΩ 1/10W J |             | R1759    | NRSA02J-472X | MG R     | 4.7kΩ 1/10W J |             |
| R1520           | NRSA02J-152X | MG R     | 1.5kΩ 1/10W J |             | R1760    | NRSA02J-103X | MG R     | 10kΩ 1/10W J  |             |
| R1551           | QRE121J-100Y | C R      | 10Ω 1/2W J    |             | R1762-63 | NRSA02J-103X | MG R     | 10kΩ 1/10W J  |             |
| R1552           | NRSA02J-124X | MG R     | 120kΩ 1/10W J |             | R1764-66 | NRSA02J-221X | MG R     | 220Ω 1/10W J  |             |
| R1553           | NRSA02J-683X | MG R     | 68kΩ 1/10W J  |             | R1767    | NRSA02J-103X | MG R     | 10kΩ 1/10W J  |             |

| △                | Symbol No.   | Part No.  | Part Name     | Description |
|------------------|--------------|-----------|---------------|-------------|
| <b>RESISTOR</b>  |              |           |               |             |
| R1770            | NRSA02J-272X | MG R      | 2.7kΩ 1/10W J |             |
| R1771-73         | NRSA02J-222X | MG R      | 2.2kΩ 1/10W J |             |
| R1774-75         | NRSA02J-393X | MG R      | 39kΩ 1/10W J  |             |
| R1777-79         | NRSA02J-222X | MG R      | 2.2kΩ 1/10W J |             |
| R1780            | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |             |
| R1784            | NRSA02J-473X | MG R      | 47kΩ 1/10W J  |             |
| R1785            | NRSA02J-223X | MG R      | 22kΩ 1/10W J  |             |
| R1786            | NRSA02J-473X | MG R      | 47kΩ 1/10W J  |             |
| R1787            | NRSA02J-332X | MG R      | 3.3kΩ 1/10W J |             |
| R1788            | NRSA02J-272X | MG R      | 2.7kΩ 1/10W J |             |
| R1789            | NRSA02J-473X | MG R      | 47kΩ 1/10W J  |             |
| R1790            | NRSA02J-682X | MG R      | 6.8kΩ 1/10W J |             |
| R1801-02         | NRSA02J-103X | MG R      | 10kΩ 1/10W J  |             |
| R1804            | NRSA02J-473X | MG R      | 47kΩ 1/10W J  |             |
| R1805            | NRSA02J-333X | MG R      | 33kΩ 1/10W J  |             |
| R1834            | NRSA02J-473X | MG R      | 47kΩ 1/10W J  |             |
| R1835            | NRSA02J-152X | MG R      | 1.5kΩ 1/10W J |             |
| R1837            | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |             |
| R1838            | NRSA02J-393X | MG R      | 39kΩ 1/10W J  |             |
| R1839            | NRSA02J-332X | MG R      | 3.3kΩ 1/10W J |             |
| R1840            | NRSA02J-152X | MG R      | 1.5kΩ 1/10W J |             |
| R1841            | NRSA02J-331X | MG R      | 33Ω 1/10W J   |             |
| R1842            | NRSA02J-222X | MG R      | 2.2kΩ 1/10W J |             |
| R1843            | NRSA02J-332X | MG R      | 3.3kΩ 1/10W J |             |
| R1844            | NRSA02J-392X | MG R      | 3.9kΩ 1/10W J |             |
| R1845            | NRSA02J-272X | MG R      | 2.7kΩ 1/10W J |             |
| R1846            | NRSA02J-103X | MG R      | 10kΩ 1/10W J  |             |
| R1847-48         | NRSA02J-472X | MG R      | 4.7kΩ 1/10W J |             |
| R1849            | NRSA02J-823X | MG R      | 82kΩ 1/10W J  |             |
| R1850-56         | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |             |
| R1857            | NRSA02J-472X | MG R      | 4.7kΩ 1/10W J |             |
| R1858            | NRSA02J-223X | MG R      | 22kΩ 1/10W J  |             |
| R1859            | NRSA02J-823X | MG R      | 82kΩ 1/10W J  |             |
| R1871            | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |             |
| R1872-73         | NRSA02J-222X | MG R      | 2.2kΩ 1/10W J |             |
| R1874            | NRSA02J-272X | MG R      | 2.7kΩ 1/10W J |             |
| R1875            | NRSA02J-104X | MG R      | 100kΩ 1/10W J |             |
| R1876            | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |             |
| R1877            | NRSA02J-393X | MG R      | 39kΩ 1/10W J  |             |
| R1878-80         | NRSA02J-152X | MG R      | 1.5kΩ 1/10W J |             |
| R1881-82         | NRSA02J-331X | MG R      | 33Ω 1/10W J   |             |
| R1883            | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |             |
| R1884            | NRSA02J-331X | MG R      | 33Ω 1/10W J   |             |
| <b>CAPACITOR</b> |              |           |               |             |
| C1001            | NCB21HK-222X | C CAP.    | 2200pF 50V K  |             |
| C1003            | NCB21EK-104X | C CAP.    | 0.1μF 25V K   |             |
| C1004            | QETN1CM-108Z | E CAP.    | 1000pF 16V M  |             |
| C1005            | QETN1CM-107Z | E CAP.    | 100pF 16V M   |             |
| C1006            | QETN1HM-106Z | E CAP.    | 10pF 50V M    |             |
| C1007            | NCB21EK-104X | C CAP.    | 0.1μF 25V K   |             |
| C1008            | QETN1HM-106Z | E CAP.    | 10pF 50V M    |             |
| C1009            | NCB21EK-104X | C CAP.    | 0.1μF 25V K   |             |
| C1010            | QETN1CM-107Z | E CAP.    | 100pF 16V M   |             |
| C1301            | NCB21EK-104X | C CAP.    | 0.1μF 25V K   |             |
| C1302            | NCB21HK-823X | CHIP CAP. | 0.082μF 50V K |             |
| C1303            | QETN1EM-476Z | E CAP.    | 47pF 25V M    |             |
| C1304            | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |             |
| C1305            | QETN1CM-107Z | E CAP.    | 100pF 16V M   |             |
| C1306            | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |             |
| C1307            | QETN1CM-477Z | E CAP.    | 470pF 16V M   |             |
| C1308            | NDC21HJ-120X | C CAP.    | 12pF 50V J    |             |
| C1309            | QETN1HM-475Z | E CAP.    | 4.7μF 50V M   |             |
| C1310            | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |             |
| C1311            | QETN1HM-106Z | E CAP.    | 10pF 50V M    |             |
| C1312            | NDC21HJ-680X | C CAP.    | 68pF 50V J    |             |
| C1313            | QETN1CM-107Z | E CAP.    | 100pF 16V M   |             |
| C1314            | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |             |

| △                | Symbol No.   | Part No.  | Part Name     | Description |
|------------------|--------------|-----------|---------------|-------------|
| <b>CAPACITOR</b> |              |           |               |             |
| C1315            | QETN1HM-106Z | E CAP.    | 10pF 50V M    |             |
| C1319            | QETN1CH-107Z | E CAP.    | 100pF 16V M   |             |
| C1320            | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |             |
| C1321-23         | NCB21EK-104X | C CAP.    | 0.1μF 25V K   |             |
| C1324-26         | QETN1HM-105Z | E CAP.    | 1μF 50V M     |             |
| C1327            | QETN1HM-475Z | E CAP.    | 4.7μF 50V M   |             |
| C1328            | QETN1CH-107Z | E CAP.    | 100pF 16V M   |             |
| C1329            | QETN1EM-476Z | E CAP.    | 47pF 25V M    |             |
| C1330            | NDC21HJ-390X | C CAP.    | 39pF 50V J    |             |
| C1331            | QETN1HM-105Z | E CAP.    | 1μF 50V M     |             |
| C1332            | NCB21HK-103X | C CAP.    | 0.03μF 50V K  |             |
| C1333            | NCB21EK-104X | C CAP.    | 0.1μF 25V K   |             |
| C1401            | QETN1HM-105Z | E CAP.    | 1μF 50V M     |             |
| C1403-05         | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |             |
| C1406            | QFV71HJ-184Z | MF CAP.   | 0.18μF 50V J  |             |
| C1407            | QFV71HJ-564Z | MF CAP.   | 0.56μF 50V J  |             |
| C1408            | NCB21HK-153X | C CAP.    | 0.015μF 50V K |             |
| C1501            | QETN1CH-107Z | E CAP.    | 100pF 16V M   |             |
| C1502-04         | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |             |
| C1505            | NCB21HK-822X | C CAP.    | 8200pF 50V K  |             |
| C1506            | QETN1HM-105Z | E CAP.    | 1μF 50V M     |             |
| C1507            | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |             |
| C1508            | QETN1CH-108Z | E CAP.    | 1000pF 16V M  |             |
| C1509            | NCB21HK-823X | CHIP CAP. | 0.082μF 50V K |             |
| C1510-11         | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |             |
| C1512            | QTMN1HM-105Z | E CAP.    | 0.1μF 50V M   |             |
| C1513            | QETN1CM-228Z | E CAP.    | 2200pF 16V M  |             |
| C1514            | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |             |
| C1515            | QFV71HJ-394Z | MF CAP.   | 0.39μF 50V J  |             |
| C1516            | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |             |
| C1551-52         | NCB21EK-224X | CHIP CAP. | 0.22μF 25V K  |             |
| C1553            | QETN1EM-476Z | E CAP.    | 47μF 25V M    |             |
| C1554-55         | NCB21EK-224X | CHIP CAP. | 0.22μF 25V K  |             |
| C1571            | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |             |
| C1601-02         | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |             |
| C1603-04         | NCF21CZ-105X | C CAP.    | 1μF 16V Z     |             |
| C1606            | NRSA02J-0R0X | MG R      | 0.0Ω 1/10W J  |             |
| C1622-23         | QETN1CH-227Z | E CAP.    | 220μF 16V M   |             |
| C1625            | QETN1HM-105Z | E CAP.    | 1μF 50V M     |             |
| C1635            | QETN1HM-105Z | E CAP.    | 1μF 50V M     |             |
| C1636            | QETN1HM-107Z | E CAP.    | 100μF 50V M   |             |
| C1637            | QETN1HM-106Z | E CAP.    | 10μF 50V M    |             |
| C1638-39         | NCF21H2-224X | C CAP.    | 0.27μF 50V Z  |             |
| C1653            | NCF21H2-224X | C CAP.    | 0.22μF 50V Z  |             |
| C1655            | NCF21H2-224X | C CAP.    | 0.22μF 50V Z  |             |
| C1656            | QETN1HM-228  | E CAP.    | 2200pF 50V M  |             |
| C1661-62         | QETN1M-108   | E CAP.    | 1000pF 35V M  |             |
| C1668            | NDC21EK-104X | C CAP.    | 0.1μF 25V K   |             |
| C1671            | QETN1CM-107Z | E CAP.    | 100μF 16V M   |             |
| C1672            | NCB21EK-104X | C CAP.    | 0.1μF 25V K   |             |
| C1701            | NCF21CZ-105X | C CAP.    | 1μF 16V Z     |             |
| C1703            | QETN1EM-476Z | E CAP.    | 47μF 25V M    |             |
| C1704            | NCB21EK-104X | C CAP.    | 0.1μF 25V K   |             |
| C1705            | QETN1AM-107Z | E CAP.    | 100μF 10V M   |             |
| C1706            | NCB21EK-104X | C CAP.    | 0.1μF 25V K   |             |
| C1707            | QETN1HM-474Z | E CAP.    | 0.47μF 50V M  |             |
| C1708            | QETN1EM-476Z | E CAP.    | 47μF 25V M    |             |
| C1709-10         | NDC21HJ-90X  | C CAP.    | 9.0pF 50V J   |             |
| C1711            | NCB21EK-104X | C CAP.    | 0.1μF 25V K   |             |
| C1712            | NDC21HJ-151X | C CAP.    | 150pF 50V J   |             |
| C1713            | QETN1HM-105Z | E CAP.    | 4μF 50V M     |             |
| C1714            | NCB21HJ-561X | C CAP.    | 560pF 50V J   |             |
| C1716-17         | QETN1HM-105Z | E CAP.    | 4μF 50V M     |             |
| C1718            | NCB21HK-333X | C CAP.    | 0.033μF 50V K |             |
| C1725            | NCB21HK-102X | C CAP.    | 1000pF 50V K  |             |
| C1726            | NCB21HJ-391X | C CAP.    | 390pF 50V J   |             |
| C1831-32         | QETN1EM-476Z | E CAP.    | 47μF 25V M    |             |
| C1833            | NCB21HJ-221X | C CAP.    | 220pF 50V J   |             |
| C1834            | NCB21EK-104X | C CAP.    | 0.1μF 25V K   |             |
| C1835            | NCB21HJ-220X | C CAP.    | 22pF 50V J    |             |

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AV-28WFT1EPS

| △                 | Symbol No.      | Part No.        | Part Name | Description |
|-------------------|-----------------|-----------------|-----------|-------------|
| <b>CAPACITOR</b>  |                 |                 |           |             |
| C1836-38          | NCB21EK-104X    | C CAP.          | 0.1μF     | 25V K       |
| C1839             | QETN1HM-106Z    | E CAP.          | 10μF      | 50V M       |
| C1871             | NCB21EK-104X    | C CAP.          | 0.1μF     | 25V K       |
| C1872             | NCB21HK-223X    | C CAP.          | 0.022μF   | 50V K       |
| C1873             | NDC21HJ-221X    | C CAP.          | 220pF     | 50V J       |
| C1874-75          | NDC21HJ-150X    | C CAP.          | 15pF      | 50V J       |
| C1876             | NCB21HK-102X    | C CAP.          | 1000pF    | 50V K       |
| C1877             | NCB21EK-104X    | C CAP.          | 0.1μF     | 25V K       |
| C1878             | NCB21HK-102X    | C CAP.          | 1000pF    | 50V K       |
| C1879             | NDC21HJ-180X    | C CAP.          | 18pF      | 50V J       |
| C1880             | QETN1AM-477Z    | E CAP.          | 470μF     | 10V M       |
| C1881             | NCB21EK-104X    | C CAP.          | 0.1μF     | 25V K       |
| C1882             | QETN1EM-476Z    | E CAP.          | 47μF      | 25V M       |
| C1883             | NCB21HK-103X    | C CAP.          | 0.01μF    | 50V K       |
| C1885             | NCB21EK-104X    | C CAP.          | 0.1μF     | 25V K       |
| C1886             | NCB21HK-103X    | C CAP.          | 0.01μF    | 50V K       |
| C1887-89          | QETN1HM-106Z    | E CAP.          | 10μF      | 50V M       |
| <b>COIL</b>       |                 |                 |           |             |
| L1001             | QQL01BK-5R6Z    | PEAKING COIL    | 5.6μH     |             |
| L1002             | QQL01BK-270Z    | PEAKING COIL    | 27μH      |             |
| L1301-02          | QQL01BK-4R7Z    | PEAKING COIL    | 4.7μH     |             |
| L1305             | QQL244K-4R7Z    | PEAKING COIL    | 4.7μH     |             |
| L1306             | QQL01BK-330Z    | PEAKING COIL    | 33μH      |             |
| L1501             | QQL244J-151Z    | PEAKING COIL    | 150μH     |             |
| L1701             | QQL01BK-4R7Z    | PEAKING COIL    | 4.7μH     |             |
| L1702             | QQL01BK-3R9Z    | PEAKING COIL    | 3.9μH     |             |
| L1871             | QQL01BK-4R7Z    | PEAKING COIL    | 4.7μH     |             |
| <b>DIODE</b>      |                 |                 |           |             |
| D1301             | MA3051/M/-X     | ZENER DIODE     |           |             |
| D1302-04          | MA111-X         | SI.DIODE        |           |             |
| D1503             | R8100A-T2       | SI.DIODE        |           |             |
| D1602             | MA111-X         | SI.DIODE        |           |             |
| D1608-10          | MA111-X         | SI.DIODE        |           |             |
| D1612-13          | MA111-X         | SI.DIODE        |           |             |
| D1617-18          | MA3330/L/-X     | ZENER DIODE     |           |             |
| D1624-25          | MA111-X         | SI.DIODE        |           |             |
| D1701             | MA3068/M/-X     | ZENER DIODE     |           |             |
| D1702             | MA111-X         | SI.DIODE        |           |             |
| D1704-            | MA111-X         | SI.DIODE        |           |             |
| D1705             | MA3036-X        | ZENER DIODE     |           |             |
| D1706-08          | MA111-X         | SI.DIODE        |           |             |
| D1710             | MA111-X         | SI.DIODE        |           |             |
| D1831             | MA3051/M/-X     | ZENER DIODE     |           |             |
| <b>TRANSISTOR</b> |                 |                 |           |             |
| Q1301-02          | 2SA1037AK/QR/-X | SI.TRANSISTOR   |           |             |
| Q1308             | DTC124EK-X      | DIGI.TRANSISTOR |           |             |
| Q1309             | 2SC2412K/QR/-X  | SI.TRANSISTOR   |           |             |
| Q1310             | 2SA1037AK/QR/-X | SI.TRANSISTOR   |           |             |
| Q1311             | DTC124EK-X      | DIGI.TRANSISTOR |           |             |
| Q1312             | 2SA1037AK/QR/-X | SI.TRANSISTOR   |           |             |
| Q1401             | DTC124EK-X      | DIGI.TRANSISTOR |           |             |
| Q1402             | 2SC2412K/QR/-X  | SI.TRANSISTOR   |           |             |
| Q1601             | 2SA1037AK/QR/-X | SI.TRANSISTOR   |           |             |
| Q1602-03          | DTC323TK-X      | DIGI.TRANSISTOR |           |             |
| Q1604             | 2SA1037AK/QR/-X | SI.TRANSISTOR   |           |             |
| Q1609             | 2SA1037AK/QR/-X | SI.TRANSISTOR   |           |             |
| Q1610             | DTC323TK-X      | DIGI.TRANSISTOR |           |             |
| Q1612             | DTC323TK-X      | DIGI.TRANSISTOR |           |             |
| Q1613             | 2SA1037AK/QR/-X | SI.TRANSISTOR   |           |             |
| Q1614             | 2SC2412K/QR/-X  | SI.TRANSISTOR   |           |             |
| Q1701-04          | 2SC2412K/QR/-X  | SI.TRANSISTOR   |           |             |
| Q1705-06          | 2SA1037AK/QR/-X | SI.TRANSISTOR   |           |             |
| Q1707             | 2SC2412K/QR/-X  | SI.TRANSISTOR   |           |             |

| △                 | Symbol No.      | Part No.       | Part Name | Description |
|-------------------|-----------------|----------------|-----------|-------------|
| <b>TRANSISTOR</b> |                 |                |           |             |
| Q1708             | 2SA1037AK/QR/-X | SI.TRANSISTOR  |           |             |
| Q1709-10          | 2SC2412K/QR/-X  | SI.TRANSISTOR  |           |             |
| Q1832-33          | 2SC2412K/QR/-X  | SI.TRANSISTOR  |           |             |
| Q1834             | 2SA1037AK/QR/-X | SI.TRANSISTOR  |           |             |
| Q1835-37          | 2SC2412K/QR/-X  | SI.TRANSISTOR  |           |             |
| Q1871             | 2SA1037AK/QR/-X | SI.TRANSISTOR  |           |             |
| Q1872             | 2SC2412K/QR/-X  | SI.TRANSISTOR  |           |             |
| <b>IC</b>         |                 |                |           |             |
| IC1301            | TB1227CN        | I.C.           |           |             |
| IC1302            | TC4053BP/N      | I.C.(DIGI-MOS) |           |             |
| IC1501            | AN5441SA-W      | I.C.           |           |             |
| IC1551            | LA6515          | I.C.(MONO-ANA) |           |             |
| IC1601            | TA8246AH        | I.C.(HYBRID)   |           |             |
| IC1607            | TA78L005AP-T    | I.C.(H)        |           |             |
| IC1701            | M37280MK-104SP  | I.C.           |           |             |
| IC1702            | AT24C16-32WFT1  | I.C.           | (SERVICE) |             |
| IC1703            | L78LR05E-MA     | I.C.(MONO-ANA) |           |             |
| IC1704            | JLC1562BF-X     | I.C.(DIGI-MOS) |           |             |
| IC1831            | JCC5035         | I.C.(DIGI-MOS) |           |             |
| IC1832            | MN1382/Q/-X     | I.C.(MONO-ANA) |           |             |
| IC1871            | ET417           | I.C.(H)        |           |             |
| IC1872            | ET206           | I.C.(H)        |           |             |
| <b>OTHERS</b>     |                 |                |           |             |
| CN1001            | QGF1216C1-25    | FFC CONNECTOR  |           |             |
| J1001             | QNN0296-001     | PIN JACK       |           |             |
| K1001-02          | CE41433-001Z    | BEADS CORE     |           |             |
| K1004             | CE41433-001Z    | BEADS CORE     |           |             |
| K1307             | CE41433-001Z    | BEADS CORE     |           |             |
| K1601-02          | CE42681-001Y    | BEADS CORE     |           |             |
| K1872             | CE41433-001Z    | BEADS CORE     |           |             |
| LC1301            | CE42142-222Z    | EMI FILTER     |           |             |
| TU1001            | QAU0188-001     | TUNER          |           |             |
| W1229             | NRSA02J-0ROX    | NG R           | 0.0Ω      | 1/10W J     |
| W1232-33          | NRSA02J-0ROX    | NG R           | 0.0Ω      | 1/10W J     |
| W1235-37          | NRSA02J-0ROX    | NG R           | 0.0Ω      | 1/10W J     |
| W1239-42          | NRSA02J-0ROX    | NG R           | 0.0Ω      | 1/10W J     |
| W1245             | NRSA02J-0ROX    | NG R           | 0.0Ω      | 1/10W J     |
| X1301             | QAX0305-001Z    | CRYSTAL        |           |             |
| X1701             | CST8.00MTW      | CER. RESONATOR |           |             |
| X1831             | QAX0624-001Z    | C RESONATOR    |           |             |
| X1871             | CE41257-001Z    | CRYSTAL        |           |             |
| Y1611-13          | NRSA02J-0ROX    | NG R           | 0.0Ω      | 1/10W J     |
| Y1618-19          | NRSA02J-0ROX    | NG R           | 0.0Ω      | 1/10W J     |
| Y1871             | NRSA02J-0ROX    | NG R           | 0.0Ω      | 1/10W J     |

**POWER & DEF. PW BOARD ASS'Y (SJK-2502A-U2)**

| △               | Symbol No.    | Part No.       | Part Name     | Description |
|-----------------|---------------|----------------|---------------|-------------|
| <b>RESISTOR</b> |               |                |               |             |
| R2401           | QRA14CF-5601Y | MF R           | 5.6kΩ 1/4W F  |             |
| R2402           | QRA14CF-6801Y | MF R           | 6.8kΩ 1/4W F  |             |
| R2403           | QRE141J-332Y  | C R            | 3.3kΩ 1/4W J  |             |
| R2404           | QRE141J-821Y  | C R            | 820Ω 1/4W J   |             |
| R2405           | QRA14CF-8200Y | MF R           | 820Ω 1/4W F   |             |
| R2406           | QRE141J-103Y  | C R            | 10kΩ 1/4W J   |             |
| R2409           | QRE141J-103Y  | C R            | 10kΩ 1/4W J   |             |
| R2410           | QRE141J-102Y  | C R            | 1kΩ 1/4W J    |             |
| R2414           | QRE121J-3R9Y  | C R            | 3.9Ω 1/2W J   |             |
| R2415           | QRX01GJ-1R8   | MF R           | 1.8Ω 1W J     |             |
| R2416           | QRG01GJ-820   | MF R           | 82Ω 1W J      |             |
| R2417           | QRE121J-1R0Y  | C R            | 1.0Ω 1/2W J   |             |
| R2461           | QRE141J-331Y  | C R            | 330Ω 1/4W J   |             |
| R2463-64        | QRE121J-392Y  | C R            | 3.9kΩ 1/2W J  |             |
| R2465           | QRE121J-822Y  | C R            | 8.2kΩ 1/2W J  |             |
| R2466           | QRE121J-102Y  | C R            | 1kΩ 1/2W J    |             |
| R2467           | QRG039J-120   | OM R           | 12 Ω 3W J     |             |
| R2492           | QRE141J-683Y  | C R            | 68kΩ 1/4W J   |             |
| R2493           | QRE141J-224Y  | C R            | 220kΩ 1/4W J  |             |
| △ R2494         | QRZ9017-4R7   | F R            | 4.7Ω 1/4W J   |             |
| R2495           | QRE141J-103Y  | C R            | 10kΩ 1/4W J   |             |
| R2496           | QRE141J-183Y  | C R            | 18kΩ 1/4W J   |             |
| R2497           | QRE141J-153Y  | C R            | 15kΩ 1/4W J   |             |
| R2502           | QRE141J-222Y  | C R            | 2.2kΩ 1/4W J  |             |
| R2503           | QRE121J-152Y  | C R            | 1.5kΩ 1/2W J  |             |
| R2504           | QRL039J-272   | OM R           | 2.7kΩ 3W J    |             |
| R2505           | QRL039J-332   | OM R           | 3.3kΩ 3W J    |             |
| R2521           | QRE121J-150Y  | C R            | 15Ω 1/2W J    |             |
| R2522           | QRL039J-103   | OM R           | 10kΩ 3W J     |             |
| R2523           | QRE121J-471Y  | C R            | 470Ω 1/2W J   |             |
| △ R2524         | QRZ9017-4R7   | F R            | 4.7Ω 1/4W J   |             |
| R2525           | QRE141J-332Y  | C R            | 3.3kΩ 1/4W J  |             |
| R2541           | QRE121J-103Y  | C R            | 10kΩ 1/2W J   |             |
| R2542           | QRE121J-222Y  | C R            | 2.2kΩ 1/2W J  |             |
| R2543           | QRE121J-124Y  | C R            | 120kΩ 1/2W J  |             |
| R2544           | QRE121J-104Y  | C R            | 100kΩ 1/2W J  |             |
| R2545           | QRE141J-123Y  | C R            | 12kΩ 1/4W J   |             |
| R2546           | QRE121J-104Y  | C R            | 100kΩ 1/2W J  |             |
| R2547           | QRE141J-123Y  | C R            | 12kΩ 1/4W J   |             |
| R2548           | QRE121J-222Y  | C R            | 2.2kΩ 1/2W J  |             |
| R2551-52        | QRT039J-3R3   | MF R           | 3.3Ω 3W J     |             |
| R2553           | QRF104K-5R6   | UNF R          | 5.6Ω 10W K    |             |
| △ R2554         | QRZ9021-1R5   | F R            | 1.5Ω 1W J     |             |
| △ R2555         | QRZ9011-4R7   | F R            | 4.7Ω 1/2W J   |             |
| △ R2556         | QRZ9021-100   | FUSI. RESISTOR | 10 Ω 1W J     |             |
| △ R2557         | QRZ9021-100   | FUSI. RESISTOR | 10 Ω 1W J     |             |
| R2561           | QRL029J-220   | OM R           | 22Ω 2W J      |             |
| R2562           | QRE121J-123Y  | C R            | 12kΩ 1/2W J   |             |
| R2563           | QRZ0056-103Z  | COMP.R         | 10kΩ 1/2W K   |             |
| R2591           | QRE121J-123Y  | C R            | 12kΩ 1/2W J   |             |
| R2592           | QRA14CF-1201Y | MF R           | 1.2kΩ 1/4W F  |             |
| R2593           | QRE141J-183Y  | C R            | 18kΩ 1/4W J   |             |
| R2594           | QRE141J-222Y  | C R            | 2.2kΩ 1/4W J  |             |
| △ R2595         | QRA14CF-9101Y | MF R           | 9.1kΩ 1/4W F  |             |
| △ R2596         | QRA14CF-1371Y | MF R           | 1.37kΩ 1/4W F |             |
| R2597           | QRE141J-273Y  | C R            | 27kΩ 1/4W J   |             |
| △ R2902         | QRE121J-331Y  | C R            | 330Ω 1/2W J   |             |
| R2903           | QRF104K-3R9   | UNF R          | 3.9Ω 10W K    |             |
| R2904-05        | QRE121J-474Y  | C R            | 470kΩ 1/2W J  |             |
| R2907-08        | QRL039J-823   | OM R           | 82kΩ 3W J     |             |
| R2909           | QRG039J-683   | OM R           | 68kΩ 3W J     |             |
| R2910           | QRE121J-681Y  | C R            | 680Ω 1/2W J   |             |
| R2911           | QRM059J-R15   | MP R           | 0.15Ω 5W J    |             |
| R2912           | QRT029J-2R2   | MF R           | 2.2Ω 2W J     |             |
| △ R2913         | QRZ9017-100   | FUSI. RESISTOR | 10 Ω 1/4W J   |             |
| R2914           | QRE121J-272Y  | C R            | 2.7kΩ 1/2W J  |             |
| R2918           | QRE121J-332Y  | C R            | 3.3kΩ 1/2W J  |             |
| R2933           | QRE141J-102Y  | C R            | 1kΩ 1/4W J    |             |
| R2935           | QRE141J-473Y  | C R            | 47kΩ 1/4W J   |             |

| △                | Symbol No.   | Part No. | Part Name           | Description |
|------------------|--------------|----------|---------------------|-------------|
| <b>RESISTOR</b>  |              |          |                     |             |
| R2936            | QRE141J-103Y | C R      | 10kΩ 1/4W J         |             |
| R2938            | QRE121J-102Y | C R      | 1kΩ 1/2W J          |             |
| R2940            | QRE121J-390Y | C R      | 39Ω 1/2W J          |             |
| R2964            | QRE121J-102Y | C R      | 1kΩ 1/2W J          |             |
| R2967            | QRL039J-223  | OM R     | 22kΩ 3W J           |             |
| R2976            | QRL029J-100  | OM R     | 10Ω 2W J            |             |
| △ R2991          | QRZ0057-825  | C R      | 8.2MΩ 1W J          |             |
| <b>CAPACITOR</b> |              |          |                     |             |
| C2401            | QEHR1VM-227Z | E CAP.   | 220μF 35V M         |             |
| C2402            | QETN1VM-108  | E CAP.   | 1000μF 35V M        |             |
| C2403            | QFLC2AJ-683Z | M CAP.   | 0.068μF 100V J      |             |
| C2404            | QETN1HM-105Z | E CAP.   | 1μF 50V M           |             |
| C2405            | QFLC1HJ-472Z | M CAP.   | 4700pF 50V J        |             |
| C2406            | QCZ0337-180Z | C CAP.   | 18pF 2KV J          |             |
| C2407            | QFLC1HJ-102Z | M CAP.   | 1000pF 50V J        |             |
| C2408            | QFV71HJ-334Z | MF CAP.  | 0.33pF 50V J        |             |
| C2410            | QFV71HJ-334Z | MF CAP.  | 0.33pF 50V J        |             |
| C2411            | QFLC2AJ-563Z | M CAP.   | 0.056μF 100V J      |             |
| C2451            | QFV71HJ-104Z | MF CAP.  | 0.1pF 50V J         |             |
| C2461            | QETN2AM-475Z | E CAP.   | 4.7μF 100V M        |             |
| C2462            | QETN1HM-106Z | E CAP.   | 10pF 50V M          |             |
| C2463            | QFLC1HJ-153Z | M CAP.   | 0.015μF 50V J       |             |
| C2464            | QFLC1HJ-333Z | M CAP.   | 0.033μF 50V J       |             |
| C2491            | QETN1HM-105Z | E CAP.   | 1μF 50V M           |             |
| C2492            | QETN1HM-106Z | E CAP.   | 10pF 50V M          |             |
| C2502            | QCB32HK-681Z | C CAP.   | 680pF 500V K        |             |
| C2503            | QEHR2CM-105Z | E CAP.   | 1μF 160V M          |             |
| △ C2521          | QFZ0200-352  | MPP CAP. | 3500pF 1.5KVH ±3%   |             |
| △ C2522          | QFZ0200-113  | MPP CAP. | 0.011μF 1.5KVH ±3%  |             |
| △ C2523          | QFP32GJ-223  | PP CAP.  | 0.022μF 400V J      |             |
| C2524            | QFM72DK-104  | M CAP.   | 0.1μF 200V K        |             |
| C2525            | QFZ0199-354  | MPP CAP. | 0.35μF 250V J       |             |
| C2526            | QFZ0199-254  | MPP CAP. | 0.25μF 250V J       |             |
| C2527            | QEHR2EM-475Z | E CAP.   | 4.7μF 250V M        |             |
| C2528            | QFZ0199-683  | MPP CAP. | 0.068μF 250V J      |             |
| C2529            | QFZ0199-104  | MPP CAP. | 0.1μF 250V J        |             |
| C2530            | QCB32HK-561Z | C CAP.   | 560pF 500V K        |             |
| C2531            | QFLC1HJ-103Z | M CAP.   | 0.01F 50V J         |             |
| C2532            | QFZ0199-334  | MPP CAP. | 0.33μF 250V J       |             |
| C2542            | QFZ0199-204  | MPP CAP. | 0.2μF 250V J        |             |
| C2543            | QFZ0199-154  | MPP CAP. | 0.15μF 250V J       |             |
| C2551            | QETN2EM-106Z | E CAP.   | 10μF 250V M         |             |
| C2552            | QCB32HK-152Z | C CAP.   | 1500pF 500V K       |             |
| C2553            | QEHR1EM-108Z | E CAP.   | 1000pF 25V M        |             |
| C2554            | QCB32HK-152Z | C CAP.   | 1500pF 500V K       |             |
| C2555            | QEHR1EM-108Z | E CAP.   | 1000pF 25V M        |             |
| C2560            | QETN2CM-227  | E CAP.   | 220pF 160V M        |             |
| C2561            | QFLC1HJ-683Z | M CAP.   | 0.068μF 50V J       |             |
| C2566            | QFZ0117-1002 | HPP CAP. | 0.01μF 1.4KVH ±2.5% |             |
| C2591            | QETN1AM-107Z | E CAP.   | 100pF 10V M         |             |
| C2592            | QETN1EM-476Z | E CAP.   | 47μF 25V M          |             |
| C2593            | QETN2AM-106Z | E CAP.   | 10μF 100V M         |             |
| C2594            | QETN1AM-227Z | E CAP.   | 220pF 10V M         |             |
| △ C2901          | QFZ0940-473  | MF CAP.  | 0.047μF 275V M      |             |
| △ C2904          | QCZ0954-472  | C CAP.   | 4700pFAC250V Z      |             |
| △ C2905          | QCZ0954-472  | C CAP.   | 4700pFAC250V Z      |             |
| △ C2906          | QCZ0954-472  | C CAP.   | 4700pFAC250V M      |             |
| C2907            | QEZ0199-227  | E CAP.   | 220pF 400V M        |             |
| C2908            | QCB32HK-103  | C CAP.   | 0.01μF 500V K       |             |
| C2909            | QCZ0122-391  | C CAP.   | 390pF 2KV K         |             |
| C2910            | QCZ0122-102  | C CAP.   | 1000pF 2KV K        |             |
| C2912            | QCB31HK-222Z | C CAP.   | 2200pF 50V M        |             |
| C2913            | QETN1HM-476Z | E CAP.   | 47μF 50V M          |             |
| C2916            | QETN1HM-107Z | E CAP.   | 100pF 50V M         |             |
| C2918            | QCB31HK-681Z | C CAP.   | 680pF 50V K         |             |
| C2933-34         | QETN1HM-106Z | E CAP.   | 10μF 50V M          |             |
| C2935            | QETN1EM-227Z | E CAP.   | 220μF 25V M         |             |

AV-28WFT1EPG/EIPS/EIS

| △ Symbol No.     | Part No.     | Part Name | Description    |
|------------------|--------------|-----------|----------------|
| <b>CAPACITOR</b> |              |           |                |
| C2951            | QCZ0122-561  | C CAP.    | 560pF 2KV K    |
| C2952            | QEZO203-227  | E CAP.    | 220μF 160V N   |
| C2953            | QCB32HK-391Z | C CAP.    | 390pF 500V K   |
| C2954            | QEHQ1EM-228  | E CAP.    | 2200μF 25V M   |
| C2955            | QCB32HK-391Z | C CAP.    | 390pF 500V K   |
| C2956            | QEHQ1CM-228  | E CAP.    | 2200μF 16V M   |
| C2958            | QCB32HK-391Z | C CAP.    | 390pF 500V K   |
| C2959            | QETM1VM-228  | E CAP.    | 2200μF 35V M   |
| C2964            | QFV71HJ-684Z | MF CAP.   | 0.68μF 50V J   |
| C2968            | QCZ0120-104Z | C CAP.    | 0.1μF 25V Z    |
| C2969            | QEHR1CH-477Z | E CAP.    | 470μF 16V M    |
| C2970            | QEHR1CM-107Z | E CAP.    | 100μF 16V M    |
| C2971            | QCZ0120-104Z | C CAP.    | 0.1μF 25V Z    |
| C2972            | QETN1CM-227Z | E CAP.    | 220μF 16V M    |
| C2973            | QETN1EM-476Z | E CAP.    | 47μF 25V M     |
| C2974            | QCZ0120-104Z | C CAP.    | 0.1μF 25V Z    |
| C2975            | QETN1AM-227Z | E CAP.    | 220μF 10V M    |
| C2976            | QETN1EM-476Z | E CAP.    | 47μF 25V M     |
| C2979            | QFV71HJ-104Z | MF CAP.   | 0.1μF 50V J    |
| △ C2991          | QCZ079-332   | C CAP.    | 3300pFAC250V M |
| △ C2992          | QCZ079-471   | C CAP.    | 470pFAC250V K  |

| TRANSFORMER |                |                 |
|-------------|----------------|-----------------|
| T2501       | CE42034-002    | H.DRIVE TRANSF. |
| T2521       | CE42549-001J1  | BRIDGE COIL     |
| △ T2551     | QOH0065-002-12 | FBT             |
| T2561       | QOR0898-001    | DEF.TRANSF.     |
| △ T2901     | QQS0065-001    | SW TRANSF.      |
| △ T2921     | QQT0303-001    | POWER TRANSF.   |
| (SERVICE)   |                |                 |
| COIL        |                |                 |
| L2461       | QQLZ028-822    | CHOKE COIL      |
| L2521       | QQLZ028-101    | CHOKE COIL      |
| L2522       | QQL1106-001    | LINEARITY COIL  |
| L2561       | QQLZ028-272    | CHOKE COIL      |
| L2901-02    | QLL402K-100    | COIL            |
| △ L2903     | QOR0659-004    | CHOKE COIL      |
| L2951       | QQLZ026-460-   | HEATER CHOKE    |
| L2952       | QLL26AK-820Z   | CHOKE COIL      |
| L2953-54    | QLL26AM-5R6Z   | CHOKE COIL      |
| 10μH        |                |                 |
| DIODE       |                |                 |
| D2401       | MTZJ75-T2      | ZENER DIODE     |
| D2402       | 1N4003-T2      | SI.DIODE        |
| D2403       | 1SS133-T2      | SI.DIODE        |
| D2451       | BYD33D-T3      | SI.DIODE        |
| D2491       | BYD33D-T3      | SI.DIODE        |
| D2492       | MTZJ22B-T2     | ZENER DIODE     |
| D2493-94    | 1SS133-T2      | SI.DIODE        |
| D2521       | RH3G-F1        | SI.DIODE        |
| D2522       | BYW95B-20      | SI.DIODE        |
| D2523       | BYD33G-T3      | SI.DIODE        |
| D2524       | 1SS133-T2      | SI.DIODE        |
| D2525       | MTZJ9.1B-T2    | ZENER DIODE     |
| D2551       | BYD33G-T3      | SI.DIODE        |
| D2553-54    | BYW95B-20      | SI.DIODE        |
| D2555-56    | MTZJ12C-T2     | ZENER DIODE     |
| D2591       | MTZJ15B-T2     | ZENER DIODE     |
| D2592       | MTZJ7.5B-T2    | ZENER DIODE     |
| D2593       | BYD33D-T3      | SI.DIODE        |
| D2594       | MTZJ7.5S-T2    | ZENER DIODE     |
| △ D2901     | D35BA60        | DIODE BRIDGE    |
| D2902       | BYD33H-T3      | SI.DIODE        |
| D2904-05    | BYD33D-T3      | SI.DIODE        |
| D2909       | 1SS133-T2      | SI.DIODE        |
| D2911       | MTZJ15B-T2     | ZENER DIODE     |
| D2913       | MTZJ27B-T2     | ZENER DIODE     |

| △ Symbol No.      | Part No.       | Part Name        | Description |
|-------------------|----------------|------------------|-------------|
| <b>DIODE</b>      |                |                  |             |
| D2931             | 1SS133-T2      | SI.DIODE         |             |
| D2934             | MTZJ6.2B-T2    | ZENER DIODE      |             |
| D2935-38          | 1N4003-T2      | SI.DIODE         |             |
| D2939             | 1SS133-T2      | SI.DIODE         |             |
| D2951             | RU4B-F1        | SI.DIODE         |             |
| D2953-54          | BYW95B-20      | SI.DIODE         |             |
| D2955             | FMX-G12S       | SI.DIODE         |             |
| D2958             | 1SR35-400A-T2  | SI.DIODE         |             |
| D2963             | MTZJ3.9B-T2    | ZENER DIODE      |             |
| D2964             | MTZJ33B-T2     | ZENER DIODE      |             |
| D2981-83          | 1SS133-T2      | SI.DIODE         |             |
| D2985             | MTZJ7.5C-T2    | ZENER DIODE      |             |
| <b>TRANSISTOR</b> |                |                  |             |
| Q2402             | 2SC1740S/0R/-T | SI.TRANSISTOR    |             |
| Q2461             | 2SD1408/Y/Y-LB | SI.TRANSISTOR    |             |
| Q2462-63          | 2SA933AS/QR/-T | SI.TRANSISTOR    |             |
| Q2501             | BSN304-T       | F.E.T.           |             |
| △ Q2521           | 2SD2553-LB     | SI.TRANSISTOR    | H.OUT       |
| Q2541-42          | DTC124ESA-T    | DIGI.TRANSISTOR  |             |
| Q2543             | IRF620         | F.E.T.           |             |
| Q2544-45          | 2SK2459N-F5A   | F.E.T.           |             |
| Q2546             | DTC124ESA-T    | DIGI.TRANSISTOR  |             |
| Q2591             | 2SA949/Y/Z1-T  | SI.TRANSISTOR    |             |
| Q2592             | DTC124ESA-T    | DIGI.TRANSISTOR  |             |
| Q2593             | 2SC1740S/QR/-T | SI.TRANSISTOR    |             |
| Q2931-32          | 2SC1740S/QR/-T | SI.TRANSISTOR    |             |
| Q2933             | 2SC2655/Y/-T   | SI.TRANSISTOR    |             |
| <b>IC</b>         |                |                  |             |
| IC2401            | LA7841         | I.C.(MONO-ANA)   |             |
| △ IC2901          | STR-F6667B/F7  | I.C.             |             |
| IC2951            | SE140N         | I.C.(HYBRID)     |             |
| IC2952            | BA12T          | I.C.(MONO-ANA)   |             |
| IC2953            | BA17809T       | I.C.(MONO-ANA)   |             |
| IC2954            | BA05T          | I.C.(MONO-ANA)   |             |
| <b>OTHERS</b>     |                |                  |             |
| △ CP2953          | ICP-N75-Y      | I.C.PROTECT      |             |
| △ CP2956          | ICP-N10-Y      | I.C.PROTECT      |             |
| CP2957            | ICP-N5-Y       | I.C.PROTECT      |             |
| K2401             | CE41433-001Z   | BEADS CORE       |             |
| K2501-02          | CE41433-001Z   | BEADS CORE       |             |
| K2503-04          | QOR0582-001Z   | BEADS CORE       |             |
| K2902             | QOR0679-001    | FERRITE BEADS    |             |
| K2951             | QOR0872-001Y   | FERRITE BEADS    |             |
| K2952-54          | CE41433-001Z   | BEADS CORE       |             |
| PC2541-42         | PC123F         | I.C.(PH.COUPLER) |             |
| △ PC2901          | TLP721F(D4-GR) | I.C.(PH.COUPLER) |             |
| △ RY2931          | QSK0099-001    | RELAY            |             |
| △ TH2901          | QAD0120-9R0    | P THERMISTOR     |             |

**CRT SOCKET PW BOARD ASS'Y (SJK-3502A-U2)**

| △ Symbol No.    | Part No. | Part Name | Description |
|-----------------|----------|-----------|-------------|
| <b>RESISTOR</b> |          |           |             |

|          |              |      |               |
|----------|--------------|------|---------------|
| R3101-03 | NRSA02J-101X | MG R | 100Ω 1/10W J  |
| R3107-09 | NRSA02J-392X | MG R | 3.9kΩ 1/10W J |
| R3110-12 | NRSA02J-221X | MG R | 220Ω 1/10W J  |
| R3113-15 | NRSA02J-470X | MG R | 47Ω 1/10W J   |
| R3116-18 | QRL029J-153  | OM R | 15kΩ 2W J     |
| R3119-21 | QRL029J-183  | OM R | 18kΩ 2W J     |
| R3125-27 | QRZ0107-102Z | C R  | 1kΩ 1/2W K    |
| R3130    | QRG01GJ-101  | OM R | 100Ω 1W J     |
| R3135    | QRZ0107-474Z | C R  | 470kΩ 1/2W K  |
| R3136    | QRE121J-474Y | C R  | 470kΩ 1/2W J  |
| R3137    | QRZ0107-102Z | C R  | 1kΩ 1/2W K    |
| R3138    | QRE121J-105Y | C R  | 1MΩ 1/2W J    |
| R3151    | NRSA02J-102X | MG R | 1kΩ 1/10W J   |
| R3152    | NRSA02J-472X | MG R | 4.7kΩ 1/10W J |
| R3154    | NRSA02J-0R0X | MG R | 0.0Ω 1/10W J  |
| R3303    | NRSA02J-101X | MG R | 100Ω 1/10W J  |
| R3312    | NRSA02J-153X | MG R | 15kΩ 1/10W J  |
| R3313    | NRSA02J-152X | MG R | 1.5MΩ 1/10W J |
| R3314    | NRSA02J-151X | MG R | 150Ω 1/10W J  |
| R3315    | NRSA02J-221X | MG R | 220Ω 1/10W J  |
| R3316    | NRSA02J-222X | MG R | 2.2kΩ 1/10W J |
| R3317    | NRSA02J-470X | MG R | 47Ω 1/10W J   |
| R3318    | QRJ146J-100X | C R  | 10Ω 1/4W J    |
| R3319    | NRSA02J-470X | MG R | 47Ω 1/10W J   |
| R3320    | NRSA02J-122X | MG R | 1.2kΩ 1/10W J |
| R3321    | NRSA02J-390X | MG R | 39Ω 1/10W J   |
| R3322    | QRE121J-2R7Y | C R  | 2.7Ω 1/2W J   |
| R3323-24 | QRE121J-563Y | C R  | 56kΩ 1/2W J   |
| R3325    | NRSA02J-122X | MG R | 1.2kΩ 1/10W J |
| R3326    | QRE121J-2R7Y | C R  | 2.7Ω 1/2W J   |
| R3327    | NRSA02J-390X | MG R | 39Ω 1/10W J   |
| R3328    | NRSA02J-121X | MG R | 120Ω 1/10W J  |
| R3329    | QRL029J-391  | OM R | 390Ω 2W J     |

**CAPACITOR**

|          |              |        |                |
|----------|--------------|--------|----------------|
| C3101-03 | NDC21HJ-471X | C CAP. | 470pF 50V J    |
| C3104    | QETN1CM-107Z | E CAP. | 100μF 16V M    |
| C3105    | QETN1EM-476Z | E CAP. | 47μF 25V M     |
| C3107    | QETN1HM-106Z | E CAP. | 10μF 50V M     |
| C3113    | QCZ0131-222  | C CAP. | 2200pF 2000V K |
| C3114    | QETN2EM-225  | E CAP. | 2.2μF 250V M   |
| C3115    | QETN2EM-106  | E CAP. | 10μF 250V M    |
| C3116    | NDC21HJ-471X | C CAP. | 470pF 50V J    |
| C3304    | NCB21HK-103X | C CAP. | 0.01μF 50V K   |
| C3305    | QETN1HN-335Z | E CAP. | 3.3μF 50V M    |
| C3306    | QETN1CM-107Z | E CAP. | 100μF 16V M    |
| C3307    | NDC21HJ-5R0X | C CAP. | 5.0pF 50V J    |
| C3308    | QETN2CM-106Z | E CAP. | 10μF 160V M    |
| C3309    | QCB32HK-472Z | C CAP. | 4700pF 500V K  |
| C3310    | QETN2CM-106Z | E CAP. | 10μF 160V M    |
| C3311    | NDC21HJ-821X | C CAP. | 820pF 50V J    |
| C3312    | QCB32HK-472Z | C CAP. | 4700pF 500V K  |
| C3313    | NDC21HJ-561X | C CAP. | 560pF 50V J    |
| C3314    | QETN1CM-107Z | E CAP. | 100μF 16V M    |
| C3315    | QCS32HJ-680Z | C CAP. | 68pF 500V J    |
| C3316    | QETN1CM-107Z | E CAP. | 100μF 16V M    |
| C3317    | QETN1AM-337Z | E CAP. | 330pF 10V M    |

**COIL**

|       |              |      |       |
|-------|--------------|------|-------|
| L3301 | QQL244J-391Z | COIL | 390μH |
|-------|--------------|------|-------|

| △ Symbol No. | Part No. | Part Name | Description |
|--------------|----------|-----------|-------------|
| <b>DIODE</b> |          |           |             |

|          |               |             |
|----------|---------------|-------------|
| D3151    | MA111-X       | SI.DIODE    |
| D3153-55 | MA111-X       | SI.DIODE    |
| D3156    | MA3047/H/-X   | ZENER DIODE |
| D3163    | MA3150/M/-X   | ZENER DIODE |
| D3164    | 1SR35-400A-T2 | SI.DIODE    |
| D3302-03 | RH1S-T3       | SI.DIODE    |

**TRANSISTOR**

|          |                |               |
|----------|----------------|---------------|
| Q3101-03 | 2SC1740S/QR-T  | SI.TRANSISTOR |
| Q3104-06 | 2SC4544-LB     | SI.TRANSISTOR |
| Q3151    | 2SA1037AK/QR-X | SI.TRANSISTOR |
| Q3152    | 2SC4682-T      | SI.TRANSISTOR |
| Q3304-05 | 2SC1740S/QR-T  | SI.TRANSISTOR |
| Q3306    | 2SA933AS/QR-T  | SI.TRANSISTOR |
| Q3307    | 2SA1837        | SI.TRANSISTOR |
| Q3308    | 2SC4793        | SI.TRANSISTOR |

**OTHERS**

|          |              |               |              |
|----------|--------------|---------------|--------------|
| △ FR3330 | QRZ9021-561  | FUSI.RESISTOR | 560 Ω 1W J   |
| K3101    | CE41433-001Z | BEADS CORE    |              |
| K3301-04 | CE41492-001Z | CHOKE COIL    |              |
| △ SK3001 | CE42670-001  | C.R.T.SOCKET  |              |
| W3003    | NRSA02J-0R0X | MG R          | 0.0Ω 1/10W J |
| W3006    | NRSA02J-0R0X | MG R          | 0.0Ω 1/10W J |
| W3012    | NRSA02J-0R0X | MG R          | 0.0Ω 1/10W J |
| W3014    | NRSA02J-0R0X | MG R          | 0.0Ω 1/10W J |
| W3016-17 | NRSA02J-0R0X | MG R          | 0.0Ω 1/10W J |
| W3019    | NRSA02J-0R0X | MG R          | 0.0Ω 1/10W J |
| W3022    | NRSA02J-0R0X | MG R          | 0.0Ω 1/10W J |
| Y3152    | NRSA02J-0R0X | MG R          | 0.0Ω 1/10W J |

AV-28WFT1EPG/EIPS/EIS

**FRONT CONTROL PW BOARD ASS'Y  
(SJK-8502A-U2)**

| △               | Symbol No.   | Part No. | Part Name     | Description |
|-----------------|--------------|----------|---------------|-------------|
| <b>RESISTOR</b> |              |          |               |             |
| R8301           | NRSA02J-750X | MG R     | 75Ω 1/10W J   |             |
| R8804-02        | NRSA02J-561X | MG R     | 560Ω 1/10W J  |             |
| R8804-06        | NRSA02J-102X | MG R     | 1kΩ 1/10W J   |             |
| R8807-09        | NRSA02J-103X | MG R     | 10kΩ 1/10W J  |             |
| R8810-11        | QRE121J-271Y | C R      | 270Ω 1/2W J   |             |
| R8812-13        | NRSA02J-102X | MG R     | 1kΩ 1/10W J   |             |
| R8815-16        | NRSA02J-471X | MG R     | 470Ω 1/10W J  |             |
| R8851           | NRSA02J-682X | MG R     | 6.8kΩ 1/10W J |             |
| R8861           | NRSA02J-562X | MG R     | 5.6kΩ 1/10W J |             |
| R8863           | NRSA02J-472X | MG R     | 4.7kΩ 1/10W J |             |
| R8864           | NRSA02J-222X | MG R     | 2.2kΩ 1/10W J |             |

**CAPACITOR**

|          |              |           |               |  |
|----------|--------------|-----------|---------------|--|
| C8301-02 | NCB21HK-472X | C CAP.    | 4700pF 50V K  |  |
| C8303    | NCB21EK-104X | C CAP.    | 0.1μF 25V K   |  |
| C8801-02 | NCB21HK-104X | CHIP CAP. | 0.1μF 50V K   |  |
| C8805    | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |  |
| C8851    | NCB21EK-104X | C CAP.    | 0.1μF 25V K   |  |
| C8852    | QETN1CM-107Z | E CAP.    | 100pF 16V M   |  |
| C8861    | QETN1HM-106Z | E CAP.    | 10μF 50V M    |  |
| △ C8901  | QFZ940-474   | MF CAP.   | 0.47μF 275V M |  |

**COIL**

|          |              |              |       |  |
|----------|--------------|--------------|-------|--|
| L8301    | QL211K-270Y  | PEAKING COIL | 27μH  |  |
| L8302    | QQR0716-001Z | LEAD CORE    |       |  |
| L8303    | QL211K-270Y  | PEAKING COIL | 27μH  |  |
| L8801-02 | QL211K-5R6Y  | PEAKING COIL | 5.6μH |  |
| L8803    | QQR0716-001Z | LEAD CORE    |       |  |

**DIODE**

|       |               |              |  |  |
|-------|---------------|--------------|--|--|
| D8801 | SPR-39MVWF    | L.E.D.       |  |  |
| D8802 | SLR-342YY-T16 | L.E.D. (YLW) |  |  |
| D8803 | SLR-342DU-T16 | L.E.D. (ORG) |  |  |
| D8804 | SLR-342MG-T16 | L.E.D. (GRN) |  |  |
| D8805 | MA111-X       | SI.DIODE     |  |  |
| D8851 | MA3068/M-X    | ZENER DIODE  |  |  |
| D8861 | MA111-X       | SI.DIODE     |  |  |
| D8862 | P1241-04      | C.D.S.       |  |  |

**TRANSISTOR**

|          |                 |                  |  |  |
|----------|-----------------|------------------|--|--|
| Q8801-02 | DTA124EKA-X     | DIGI. TRANSISTOR |  |  |
| Q8803    | 2SA1037AK/QR/-X | SI.TRANSISTOR    |  |  |
| Q8804    | DTCA124EKA-X    | DIGI. TRANSISTOR |  |  |
| Q8805    | 2SA1037AK/QR/-X | SI.TRANSISTOR    |  |  |
| Q8861    | 2SA1037AK/QR/-X | SI.TRANSISTOR    |  |  |

**IC**

|        |          |                 |  |  |
|--------|----------|-----------------|--|--|
| IC8851 | GP1U281Q | IFR DETECT UNIT |  |  |
|--------|----------|-----------------|--|--|

**OTHERS**

|          |                |                |              |  |
|----------|----------------|----------------|--------------|--|
| △ CN8001 | LC30596-001B-C | LED HOLDER     |              |  |
| F8901    | CM35921-005-H  | CDS HOLDER     |              |  |
| J8301    | CEM002-001Z    | FUSE CLIP      |              |  |
| J8801    | QGF1216C1-25   | FFC CONNECTOR  |              |  |
| △ LF8901 | QMF5102-3R15J1 | FUSE           | 3.15A        |  |
| J8301    | QN20453-001    | AV JACK        |              |  |
| J8801    | QMS3004-C01    | HEADPHONE JACK |              |  |
| △ LF8901 | QQR1095-001    | LINE FILTER    |              |  |
| S8801    | QSW0619-003Z   | PUSH SWITCH    |              |  |
| S8802    | QSW0619-003Z   | PUSH SWITCH    | ▽(DOWN)      |  |
| S8803    | QSW0619-003Z   | PUSH SWITCH    | △(UP)        |  |
| △ S8901  | QSW0824-001    | PUSH SWITCH    | MAIN POWER   |  |
| W8015    | NRSA02J-OROX   | MG R           | 0.02 1/10W J |  |
| W8029    | NRSA02J-OROX   | MG R           | 0.02 1/10W J |  |

**AV SEL. PW BOARD ASS'Y (SJK0S701A-U2)**

| △               | Symbol No.   | Part No. | Part Name     | Description |
|-----------------|--------------|----------|---------------|-------------|
| <b>RESISTOR</b> |              |          |               |             |
| R0101-08        | NRSA02J-750X | MG R     | 75Ω 1/10W J   |             |
| R0110           | NRSA02J-823X | MG R     | 82kΩ 1/10W J  |             |
| R0112           | NRSA02J-823X | MG R     | 82kΩ 1/10W J  |             |
| R0113           | NRSA02J-750X | MG R     | 75Ω 1/10W J   |             |
| R0114           | NRSA02J-473X | MG R     | 47kΩ 1/10W J  |             |
| R0115-16        | NRSA02J-223X | MG R     | 22kΩ 1/10W J  |             |
| R0117-18        | NRSA02J-823X | MG R     | 82kΩ 1/10W J  |             |
| R0119-20        | NRSA02J-391X | MG R     | 390Ω 1/10W J  |             |
| R0123           | NRSA02J-104X | MG R     | 100Ω 1/10W J  |             |
| R0124-25        | NRSA02J-101X | MG R     | 100Ω 1/10W J  |             |
| R0126           | NRSA02J-333X | MG R     | 33kΩ 1/10W J  |             |
| R0127           | NRSA02J-101X | MG R     | 100Ω 1/10W J  |             |
| R0128           | NRSA02J-103X | MG R     | 10kΩ 1/10W J  |             |
| R0129           | NRSA02J-683X | MG R     | 68kΩ 1/10W J  |             |
| R0130           | NRSA02J-473X | MG R     | 47kΩ 1/10W J  |             |
| R0131           | NRSA02J-273X | MG R     | 27kΩ 1/10W J  |             |
| R0132           | NRSA02J-153X | MG R     | 15kΩ 1/10W J  |             |
| R0133           | NRSA02J-222X | MG R     | 2.2kΩ 1/10W J |             |
| R0134           | NRSA02J-333X | MG R     | 33kΩ 1/10W J  |             |
| R0135           | NRSA02J-222X | MG R     | 2.2kΩ 1/10W J |             |
| R0136-37        | NRSA02J-333X | MG R     | 33kΩ 1/10W J  |             |
| R0138           | NRSA02J-473X | MG R     | 47kΩ 1/10W J  |             |
| R0139           | NRSA02J-683X | MG R     | 68kΩ 1/10W J  |             |
| R0140           | NRSA02J-103X | MG R     | 10kΩ 1/10W J  |             |
| R0141           | NRSA02J-153X | MG R     | 15kΩ 1/10W J  |             |
| R0142           | NRSA02J-223X | MG R     | 22kΩ 1/10W J  |             |
| R0143           | NRSA02J-473X | MG R     | 47kΩ 1/10W J  |             |
| R0144           | NRSA02J-273X | MG R     | 27kΩ 1/10W J  |             |
| R0146           | NRSA02J-391X | MG R     | 390Ω 1/10W J  |             |
| R0148           | NRSA02J-391X | MG R     | 390Ω 1/10W J  |             |
| R0151           | NRSA02J-104X | MG R     | 100Ω 1/10W J  |             |
| R0152           | NRSA02J-222X | MG R     | 2.2kΩ 1/10W J |             |
| R0153           | NRSA02J-333X | MG R     | 33kΩ 1/10W J  |             |
| R0154           | NRSA02J-222X | MG R     | 2.2kΩ 1/10W J |             |
| R0155           | NRSA02J-333X | MG R     | 33kΩ 1/10W J  |             |
| R0156-69        | NRSA02J-101X | MG R     | 100Ω 1/10W J  |             |
| R0170           | NRSA02J-333X | MG R     | 33kΩ 1/10W J  |             |
| R0171           | NRSA02J-222X | MG R     | 2.2kΩ 1/10W J |             |
| R0172           | NRSA02J-473X | MG R     | 47kΩ 1/10W J  |             |
| R0173           | NRSA02J-683X | MG R     | 68kΩ 1/10W J  |             |
| R0174           | NRSA02J-103X | MG R     | 10kΩ 1/10W J  |             |
| R0175           | NRSA02J-153X | MG R     | 15kΩ 1/10W J  |             |
| R0176           | NRSA02J-473X | MG R     | 47kΩ 1/10W J  |             |
| R0177           | NRSA02J-273X | MG R     | 27kΩ 1/10W J  |             |
| R0180-83        | NRSA02J-101X | MG R     | 100Ω 1/10W J  |             |
| R0184           | NRSA02J-333X | MG R     | 33kΩ 1/10W J  |             |
| R0185           | NRSA02J-222X | MG R     | 2.2kΩ 1/10W J |             |
| R0186           | NRSA02J-333X | MG R     | 33kΩ 1/10W J  |             |
| R0188           | NRSA02J-101X | MG R     | 100Ω 1/10W J  |             |
| R0189-90        | NRSA02J-221X | MG R     | 220Ω 1/10W J  |             |
| R0191-92        | NRSA02J-562X | MG R     | 5.6kΩ 1/10W J |             |
| R0193-94        | NRSA02J-102X | MG R     | 1kΩ 1/10W J   |             |
| R0195           | QRG01GJ-101  | OM R     | 100Ω 1W J     |             |
| R0197           | QRK126J-181X | C R      | 180Ω 1/2W J   |             |
| R0198           | NRSA02J-750X | MG R     | 75Ω 1/10W J   |             |
| R0199           | NRSA02J-101X | MG R     | 100Ω 1/10W J  |             |
| R0202           | QRK126J-151X | C R      | 150Ω 1/2W J   |             |
| R0203-05        | NRSA02J-750X | MG R     | 75Ω 1/10W J   |             |
| R0207           | NRSA02J-222X | MG R     | 2.2kΩ 1/10W J |             |
| R0208           | NRSA02J-333X | MG R     | 33kΩ 1/10W J  |             |
| R0209           | NRSA02J-222X | MG R     | 2.2kΩ 1/10W J |             |
| R0210           | NRSA02J-333X | MG R     | 33kΩ 1/10W J  |             |
| R0211-12        | NRSA02J-103X | MG R     | 10kΩ 1/10W J  |             |
| R0301           | NRSA02J-103X | MG R     | 10kΩ 1/10W J  |             |
| R0302           | NRSA02J-562X | MG R     | 5.6kΩ 1/10W J |             |
| R0303-04        | NRSA02J-222X | MG R     | 2.2kΩ 1/10W J |             |
| R0305           | NRSA02J-103X | MG R     | 10kΩ 1/10W J  |             |
| R0309           | NRSA02J-562X | MG R     | 5.6kΩ 1/10W J |             |

| △ Symbol No.     | Part No.     | Part Name | Description   |
|------------------|--------------|-----------|---------------|
| <b>RESISTOR</b>  |              |           |               |
| R0310            | NRSA02J-392X | MG R      | 3.9kΩ 1/10W J |
| R0313            | NRSA02J-101X | MG R      | 100Ω 1/10W J  |
| R0314            | NRSA02J-473X | MG R      | 47kΩ 1/10W J  |
| R0315            | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |
| R0316            | NRSA02J-122X | MG R      | 1.2kΩ 1/10W J |
| R0317            | NRSA02J-273X | MG R      | 27kΩ 1/10W J  |
| R0318-19         | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |
| R0320            | NRSA02J-473X | MG R      | 47kΩ 1/10W J  |
| R0321            | NRSA02J-101X | MG R      | 100Ω 1/10W J  |
| R0322            | NRSA02J-273X | MG R      | 27kΩ 1/10W J  |
| R0323            | NRSA02J-122X | MG R      | 1.2kΩ 1/10W J |
| R0324            | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |
| R0325            | NRSA02J-682X | MG R      | 6.8kΩ 1/10W J |
| R0603            | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |
| R0606            | QRG01GJ-181  | OH R      | 180Ω 1W J     |
| R0607            | NRSA02J-123X | MG R      | 12kΩ 1/10W J  |
| R0608            | NRSA02J-181X | MG R      | 180Ω 1/10W J  |
| R0609            | NRSA02J-123X | MG R      | 12kΩ 1/10W J  |
| R0610            | NRSA02J-561X | MG R      | 560Ω 1/10W J  |
| R0614-15         | NRSA02J-223X | MG R      | 22kΩ 1/10W J  |
| R0617-18         | NRSA02J-103X | MG R      | 10kΩ 1/10W J  |
| R0620            | NRSA02J-103X | MG R      | 10kΩ 1/10W J  |
| R0622-23         | NRSA02J-223X | MG R      | 22kΩ 1/10W J  |
| R0624            | NRSA02J-104X | MG R      | 100kΩ 1/10W J |
| R0628            | NRSA02J-OR0X | MG R      | 0.002 1/10W J |
| R0629-30         | NRSA02J-101X | MG R      | 1000Ω 1/10W J |
| R0631            | NRSA02J-122X | MG R      | 1.2kΩ 1/10W J |
| R0632            | NRSA02J-473X | MG R      | 47kΩ 1/10W J  |
| R0633            | NRSA02J-272X | MG R      | 2.7kΩ 1/10W J |
| R0634            | NRSA02J-473X | MG R      | 47kΩ 1/10W J  |
| R0635            | NRSA02J-272X | MG R      | 2.7kΩ 1/10W J |
| R0636            | NRSA02J-682X | MG R      | 6.8kΩ 1/10W J |
| R0638            | NRSA02J-682X | MG R      | 6.8kΩ 1/10W J |
| R0647-48         | NRSA02J-103X | MG R      | 10kΩ 1/10W J  |
| R0649-50         | NRSA02J-822X | MG R      | 8.2kΩ 1/10W J |
| <b>CAPACITOR</b> |              |           |               |
| C0101            | NCB21HK-472X | C CAP.    | 4700pF 50V K  |
| C0102            | QETN1CM-477Z | E CAP.    | 470pF 16V M   |
| C0103-05         | QETN1HM-106Z | E CAP.    | 10μF 50V M    |
| C0106-09         | NCB21HK-472X | C CAP.    | 4700pF 50V K  |
| C0110            | QETN1CM-477Z | E CAP.    | 470pF 16V M   |
| C0111-15         | NCB21HK-472X | C CAP.    | 4700pF 50V K  |
| C0116-17         | QETN1HM-106Z | E CAP.    | 10μF 50V M    |
| C0118            | NCB21HK-102X | C CAP.    | 1000pF 50V K  |
| C0119            | QETN1HM-105Z | E CAP.    | 1μF 50V M     |
| C0120            | QETN1HM-106Z | E CAP.    | 10μF 50V M    |
| C0121            | QETN1HM-105Z | E CAP.    | 1μF 50V M     |
| C0122            | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |
| C0123            | NCB21HK-102X | C CAP.    | 1000pF 50V K  |
| C0124-25         | QETN1HM-106Z | E CAP.    | 10μF 50V M    |
| C0126            | QETN1HM-105Z | E CAP.    | 1μF 50V M     |
| C0127            | QETN1HM-106Z | E CAP.    | 10μF 50V M    |
| C0128            | QETN1HM-105Z | E CAP.    | 1μF 50V M     |
| C0129            | QETN1HM-106Z | E CAP.    | 10μF 50V M    |
| C0130            | QETN1HM-105Z | E CAP.    | 1μF 50V M     |
| C0131            | NCB21HK-102X | C CAP.    | 1000pF 50V K  |
| C0132            | QETN1HM-105Z | E CAP.    | 1μF 50V M     |
| C0133            | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |
| C0136            | QETN1HM-106Z | E CAP.    | 10μF 50V M    |
| C0137            | QENC1EM-106Z | BP E CAP. | 10μF 25V M    |
| C0139            | QENC1EM-106Z | BP E CAP. | 10μF 25V M    |
| C0140            | QETN1CM-107Z | E CAP.    | 100μF 16V M   |
| C0141            | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |
| C0142            | NCF21CZ-105X | C CAP.    | 1μF 16V Z     |
| C0143            | QENC1EM-106Z | BP E CAP. | 10μF 25V M    |
| C0144            | NCF21CZ-105X | C CAP.    | 1μF 16V Z     |
| C0145-46         | QETN1CM-107Z | E CAP.    | 100μF 16V M   |

| △ Symbol No.     | Part No.      | Part Name    | Description   |
|------------------|---------------|--------------|---------------|
| <b>CAPACITOR</b> |               |              |               |
| C0147            | QETN1CM-477Z  | E CAP.       | 470μF 16V M   |
| C0149            | NCB21HK-103X  | C CAP.       | 0.01μF 50V K  |
| C0150-51         | QETN1HM-106Z  | E CAP.       | 10μF 50V M    |
| C0152-53         | QETN1HM-105Z  | E CAP.       | 1μF 50V M     |
| C0154-55         | NDC21HJ-680X  | C CAP.       | 680pF 50V J   |
| C0156            | NCB21HK-103X  | C CAP.       | 0.01μF 50V K  |
| C0301            | NDC21HJ-271X  | C CAP.       | 270pF 50V J   |
| C0306-07         | NCB21EK-104X  | C CAP.       | 0.1μF 25V K   |
| C0308            | NCB21HK-103X  | C CAP.       | 0.01μF 50V K  |
| C0310-11         | QETN1HM-106Z  | E CAP.       | 10μF 50V M    |
| C0312            | NCB21EK-103X  | C CAP.       | 0.01μF 50V K  |
| C0313            | NCB21EK-104X  | C CAP.       | 0.1μF 25V K   |
| C0610            | NDC21HJ-821X  | C CAP.       | 820pF 50V J   |
| C0611-12         | NDC21HJ-470X  | C CAP.       | 47pF 50V J    |
| C0614            | NDC21HJ-180X  | C CAP.       | 18pF 50V J    |
| C0616            | QETN1CM-107Z  | E CAP.       | 100μF 16V M   |
| C0617            | NCB21EK-104X  | C CAP.       | 0.1μF 25V K   |
| C0618            | QETN1HM-106Z  | E CAP.       | 10μF 50V M    |
| C0619            | NCB21EK-104X  | C CAP.       | 0.1μF 25V K   |
| C0620            | QETN1HM-106Z  | E CAP.       | 10μF 50V M    |
| C0621-22         | NCF21CZ-105X  | C CAP.       | 1μF 16V Z     |
| C0623            | NCB21EK-104X  | C CAP.       | 0.1μF 25V K   |
| C0624            | QETN1HM-106Z  | E CAP.       | 10μF 50V M    |
| C0625            | NCB21HK-332X  | C CAP.       | 3300pF 50V K  |
| C0626            | NCB21HK-333X  | C CAP.       | 0.033μF 50V K |
| C0627            | NCF21CZ-105X  | C CAP.       | 1μF 16V Z     |
| C0628            | QETN1EM-476Z  | E CAP.       | 47pF 25V M    |
| C0629            | QETN1HM-106Z  | E CAP.       | 10μF 50V M    |
| C0630-31         | NCB21HK-102X  | C CAP.       | 1000pF 50V K  |
| C0632            | NCB21EK-104X  | C CAP.       | 0.1μF 25V K   |
| C0633            | QETN1HM-106Z  | E CAP.       | 10μF 50V M    |
| C0634-35         | NCB21HK-103X  | C CAP.       | 0.01μF 50V K  |
| C0636            | NDC21HJ-2R0X  | C CAP.       | 2.0pF 50V J   |
| C0637            | NCB21HK-332X  | C CAP.       | 3300pF 50V K  |
| C0638            | NCB21HK-333X  | C CAP.       | 0.033μF 50V K |
| C0639            | QETN1HM-106Z  | E CAP.       | 10μF 50V M    |
| C0640            | QETN1EM-476Z  | E CAP.       | 47pF 25V M    |
| C0641            | NCB21EK-104X  | C CAP.       | 0.1μF 25V K   |
| C0642            | NDC21HJ-2R0X  | C CAP.       | 2.0pF 50V J   |
| C0643            | NCF21CZ-105X  | C CAP.       | 1μF 16V Z     |
| C0645            | NCB21HK-103X  | C CAP.       | 0.01μF 50V K  |
| C0646            | NCB21EK-104X  | C CAP.       | 0.1μF 25V K   |
| C0647            | QETN1CM-107Z  | E CAP.       | 100μF 16V M   |
| C0648            | NCB21EK-104X  | C CAP.       | 0.1μF 25V K   |
| C0649            | QETN1CM-107Z  | E CAP.       | 100μF 16V M   |
| C0650            | NDC21HJ-221X  | C CAP.       | 220pF 50V J   |
| C0651            | NCB21HK-562X  | C CAP.       | 5600pF 50V K  |
| C0652            | QETN1EM-476Z  | E CAP.       | 47pF 25V M    |
| C0653            | NDC21HJ-221X  | C CAP.       | 220pF 50V J   |
| C0654            | NCB21HK-562X  | C CAP.       | 5600pF 50V K  |
| C0659-60         | NCF21CZ-105X  | C CAP.       | 1μF 16V Z     |
| C0677-78         | NCB21HK-102X  | C CAP.       | 1000pF 50V K  |
| <b>COIL</b>      |               |              |               |
| L0112-14         | QQR0716-001Z  | LEAD CORE    |               |
| L0301            | QLQ1BK-221Z   | PEAKING COIL | 220μH         |
| L0601            | QLQ1BK-220Z   | PEAKING COIL | 22μH          |
| L0602            | QLQ1BK-180Z   | PEAKING COIL | 18μH          |
| L0604            | QLQ1BK-100Z   | PEAKING COIL | 10μH          |
| L0605            | QLQ1BK-4R7Z   | PEAKING COIL | 4.7μH         |
| <b>DIODE</b>     |               |              |               |
| D0101-13         | MA3120/M-X    | ZENER DIODE  |               |
| D0601            | RD8.2E/B2/-T2 | ZENER DIODE  |               |
| D0602            | WA3062/M-X    | ZENER DIODE  |               |

△ Symbol No. Part No. Part Name Description

**TRANSISTOR**

|          |                 |                  |
|----------|-----------------|------------------|
| Q0101    | DTC323TK-X      | DIGI. TRANSISTOR |
| Q0102    | 2SA1037AK/QR/-X | SI. TRANSISTOR   |
| Q0103    | DTC323TK-X      | DIGI. TRANSISTOR |
| Q0104-07 | 2SC2412K/QR/-X  | SI. TRANSISTOR   |
| Q0108    | 2SA1037AK/QR/-X | SI. TRANSISTOR   |
| Q0109-10 | DTC323TK-X      | DIGI. TRANSISTOR |
| Q0111-12 | 2SC2412K/QR/-X  | SI. TRANSISTOR   |
| Q0116    | 2SA933AS/QR/-T  | SI. TRANSISTOR   |
| Q0118    | 2SC1740S/QR/-T  | SI. TRANSISTOR   |
| Q0119-20 | 2SC2412K/QR/-X  | SI. TRANSISTOR   |
| Q0301    | 2SA1037AK/QR/-X | SI. TRANSISTOR   |
| Q0302-03 | DTC124EKA-X     | DIGI. TRANSISTOR |
| Q0304-05 | 2SA1037AK/QR/-X | SI. TRANSISTOR   |
| Q0306    | 2SC2412K/QR/-X  | SI. TRANSISTOR   |
| Q0307    | 2SA1037AK/QR/-X | SI. TRANSISTOR   |
| Q0308    | 2SC2412K/QR/-X  | SI. TRANSISTOR   |
| Q0601    | 2SC2412K/QR/-X  | SI. TRANSISTOR   |
| Q0602    | DTC323TK-X      | DIGI. TRANSISTOR |
| Q0603    | 2SA1037AK/QR/-X | SI. TRANSISTOR   |

**IC**

|        |                 |                 |
|--------|-----------------|-----------------|
| IC0101 | CXA2089Q-X      | I C             |
| IC0302 | TA9181/N1-X     | I C             |
| IC0602 | NJM2150AM-X     | I.C. (MONO-ANA) |
| IC0603 | MSP3415D-QG-B3X | IC              |
| IC0604 | BA4558F-X       | I.C. (MONO-ANA) |

**OTHERS**

|           |               |                   |
|-----------|---------------|-------------------|
| J0001     | CEX45309      | SCART CONNECTOR   |
| J0002     | CE40529-009J1 | 21 PIN SOCKET     |
| K0601     | CE41433-001Z  | BEADS CORE        |
| LC0601-02 | CE42482-103Y  | EMI FILTER        |
| W0001-10  | NRSA02J-OROX  | MG R 0.0Ω 1/10W J |
| W0023     | NRSA02J-OROX  | MG R 0.0Ω 1/10W J |
| W0026     | NRSA02J-OROX  | MG R 0.0Ω 1/10W J |
| W0029     | NRSA02J-OROX  | MG R 0.0Ω 1/10W J |
| W0032     | NRSA02J-OROX  | MG R 0.0Ω 1/10W J |
| W0041     | NRSA02J-OROX  | MG R 0.0Ω 1/10W J |
| W0052     | NRSA02J-OROX  | MG R 0.0Ω 1/10W J |
| W0065     | NRSA02J-OROX  | MG R 0.0Ω 1/10W J |
| W0076-88  | NRSA02J-OROX  | MG R 0.0Ω 1/10W J |
| W0110     | NRSA02J-OROX  | MG R 0.0Ω 1/10W J |
| W0113-14  | NRSA02J-OROX  | MG R 0.0Ω 1/10W J |
| W0119     | NRSA02J-OROX  | MG R 0.0Ω 1/10W J |
| W0125     | NRSA02J-OROX  | MG R 0.0Ω 1/10W J |
| W0129-30  | NRSA02J-OROX  | MG R 0.0Ω 1/10W J |
| W0136-39  | NRSA02J-OROX  | MG R 0.0Ω 1/10W J |
| W0142     | NRSA02J-OROX  | MG R 0.0Ω 1/10W J |
| W0145-48  | NRSA02J-OROX  | MG R 0.0Ω 1/10W J |
| W0157     | NRSA02J-OROX  | MG R 0.0Ω 1/10W J |
| W0160     | NRSA02J-OROX  | MG R 0.0Ω 1/10W J |
| X0601     | CE42546-001Z  | CRYSTAL           |
| Y0606     | NRSA02J-OROX  | MG R 0.0Ω 1/10W J |
| Y0616     | NRSA02J-OROX  | MG R 0.0Ω 1/10W J |

# AV-28WFT1EKS / AV-28WFT1EK

## PRINTED WIRING BOARD PARTS LIST

### MAIN PW BOARD ASSY (SJK-1902A-U2)

| △ Symbol No.    | Part No.     | Part Name | Description   |
|-----------------|--------------|-----------|---------------|
| <b>RESISTOR</b> |              |           |               |
| R1001-06        | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |
| R1007           | NRSA02J-104X | MG R      | 100kΩ 1/10W J |
| R1008           | NRSA02J-0R0X | MG R      | 0.0Ω 1/10W J  |
| R1301           | NRSA02J-103X | MG R      | 10kΩ 1/10W J  |
| R1302           | NRSA02J-183X | MG R      | 18kΩ 1/10W J  |
| R1303           | NRSA02J-153X | MG R      | 15kΩ 1/10W J  |
| R1304           | QRG01GJ-121  | OM R      | 120Ω 1W J     |
| R1305           | NRSA02J-562X | MG R      | 5.6kΩ 1/10W J |
| R1306           | NRSA02J-222X | MG R      | 2.2kΩ 1/10W J |
| R1307-08        | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |
| R1309           | NRSA02J-222X | MG R      | 2.2kΩ 1/10W J |
| R1310-11        | NRSA02J-391X | MG R      | 390Ω 1/10W J  |
| R1312-13        | NRSA02J-101X | MG R      | 100Ω 1/10W J  |
| R1314           | NRSA02J-562X | MG R      | 5.6kΩ 1/10W J |
| R1316           | NRSA02J-224X | MG R      | 220kΩ 1/10W J |
| R1317           | NRSA02J-101X | MG R      | 100Ω 1/10W J  |
| R1318-21        | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |
| R1327           | NRSA02J-0R0X | MG R      | 0.0Ω 1/10W J  |
| R1328-29        | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |
| R1330           | NRSA02J-472X | MG R      | 4.7kΩ 1/10W J |
| R1331           | NRSA02J-333X | MG R      | 33kΩ 1/10W J  |
| R1332-33        | NRSA02J-222X | MG R      | 2.2kΩ 1/10W J |
| R1335           | NRSA02J-273X | MG R      | 27kΩ 1/10W J  |
| R1336           | NRSA02J-103X | MG R      | 10kΩ 1/10W J  |
| R1337           | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |
| R1338           | NRSA02J-562X | MG R      | 5.6kΩ 1/10W J |
| R1339           | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |
| R1340-41        | NRSA02J-333X | MG R      | 33kΩ 1/10W J  |
| R1342           | NRSA02J-152X | MG R      | 1.5kΩ 1/10W J |
| R1343           | NRSA02J-272X | MG R      | 2.7kΩ 1/10W J |
| R1344           | NRSA02J-471X | MG R      | 47Ω 1/10W J   |
| R1345           | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |
| R1346           | NRSA02J-223X | MG R      | 22kΩ 1/10W J  |
| R1401-02        | NRSA02J-103X | MG R      | 10kΩ 1/10W J  |
| R1403           | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |
| R1404           | NRSA02J-183X | MG R      | 18kΩ 1/10W J  |
| R1405           | NRSA02J-223X | MG R      | 22kΩ 1/10W J  |
| R1409           | NRSA02J-0R0X | MG R      | 0.0Ω 1/10W J  |
| R1411           | NRVA02D-473X | MF R      | 47kΩ 1/10W D  |
| R1413           | NRVA02D-223X | MF R      | 22kΩ 1/10W D  |
| R1414           | NRVA02D-101X | MF R      | 100Ω 1/10W D  |
| R1415           | NRSA02J-562X | MG R      | 5.6kΩ 1/10W J |
| R1416           | NRSA02J-101X | MG R      | 100Ω 1/10W J  |
| R1417           | NRSA02J-223X | MG R      | 22kΩ 1/10W J  |
| R1418           | NRSA02J-682X | MG R      | 6.8kΩ 1/10W J |
| R1419           | NRSA02J-562X | MG R      | 5.6kΩ 1/10W J |
| R1420           | NRSA02J-183X | MG R      | 18kΩ 1/10W J  |
| R1501           | NRSA02J-621X | MG R      | 620Ω 1/10W J  |
| R1502           | NRSA02J-103X | MG R      | 10kΩ 1/10W J  |
| R1503           | NRSA02J-104X | MG R      | 100kΩ 1/10W J |
| R1504           | NRSA02J-103X | MG R      | 10kΩ 1/10W J  |
| R1505-06        | NRSA02J-221X | MG R      | 220Ω 1/10W J  |
| R1507           | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |
| R1508-09        | NRSA02J-223X | MG R      | 22kΩ 1/10W J  |
| R1511           | NRSA02J-0R0X | MG R      | 0.0Ω 1/10W J  |
| R1514           | NRSA02J-472X | MG R      | 4.7kΩ 1/10W J |
| R1516           | NRSA02J-222X | MG R      | 2.2kΩ 1/10W J |
| R1517           | NRSA02J-472X | MG R      | 4.7kΩ 1/10W J |
| R1518           | NRSA02J-682X | MG R      | 6.8kΩ 1/10W J |
| R1519           | NRSA02J-562X | MG R      | 5.6kΩ 1/10W J |
| R1520           | NRSA02J-152X | MG R      | 1.5kΩ 1/10W J |
| R1551           | QRE121J-100Y | C R       | 10Ω 1/2W J    |
| R1552           | NRSA02J-124X | MG R      | 120kΩ 1/10W J |

| △ Symbol No.    | Part No.     | Part Name | Description   |
|-----------------|--------------|-----------|---------------|
| <b>RESISTOR</b> |              |           |               |
| R1553           | NRSA02J-683X | MG R      | 68kΩ 1/10W J  |
| R1554           | NRSA02J-333X | MG R      | 33kΩ 1/10W J  |
| R1555           | NRSA02J-472X | MG R      | 4.7kΩ 1/10W J |
| R1556           | NRSA02J-154X | MG R      | 150kΩ 1/10W J |
| R1557-58        | NRSA02J-562X | MG R      | 5.6kΩ 1/10W J |
| R1559           | NRSA02J-0R0X | MG R      | 0.0Ω 1/10W J  |
| R1560           | NRSA02J-104X | MG R      | 100kΩ 1/10W J |
| R1561           | QRE121J-100Y | C R       | 10Ω 1/2W J    |
| R1571           | NRSA02J-101X | MG R      | 100Ω 1/10W J  |
| R1572           | NRSA02J-133X | MG R      | 13kΩ 1/10W J  |
| R1573           | NRSA02J-821X | MG R      | 82Ω 1/10W J   |
| R1602           | NRSA02J-104X | MG R      | 100kΩ 1/10W J |
| R1604           | NRSA02J-393X | MG R      | 39kΩ 1/10W J  |
| R1605           | NRSA02J-681X | MG R      | 680Ω 1/10W J  |
| R1606           | NRSA02J-393X | MG R      | 39kΩ 1/10W J  |
| R1607           | NRSA02J-681X | MG R      | 680Ω 1/10W J  |
| R1608-09        | NRSA02J-223X | MG R      | 22kΩ 1/10W J  |
| R1610-11        | NRSA02J-822X | MG R      | 8.2kΩ 1/10W J |
| R1633           | NRSA02J-273X | MG R      | 27kΩ 1/10W J  |
| R1638           | NRSA02J-473X | MG R      | 47kΩ 1/10W J  |
| R1648           | NRSA02J-104X | MG R      | 100kΩ 1/10W J |
| R1649           | NRSA02J-682X | MG R      | 6.8kΩ 1/10W J |
| R1650           | NRSA02J-104X | MG R      | 100kΩ 1/10W J |
| R1660           | QRE126J-2R2X | C R       | 2.2Ω 1/2W J   |
| R1661           | NRSA02J-103X | MG R      | 10kΩ 1/10W J  |
| R1663           | NRSA02J-561X | MG R      | 560Ω 1/10W J  |
| R1664           | NRSA02J-562X | MG R      | 5.6kΩ 1/10W J |
| R1683           | QRE126J-2R2X | C R       | 2.2Ω 1/2W J   |
| R1689           | NRSA02J-473X | MG R      | 47kΩ 1/10W J  |
| R1690           | QRG01GJ-270  | OM R      | 27Ω 1W J      |
| R1701           | NRSA02J-221X | MG R      | 220Ω 1/10W J  |
| R1702           | NRSA02J-822X | MG R      | 8.2kΩ 1/10W J |
| R1703           | NRSA02J-273X | MG R      | 27kΩ 1/10W J  |
| R1704           | NRSA02J-473X | MG R      | 47kΩ 1/10W J  |
| R1705           | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |
| R1706           | NRSA02J-223X | MG R      | 22kΩ 1/10W J  |
| R1707-12        | NRSA02J-103X | MG R      | 10kΩ 1/10W J  |
| R1713-14        | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |
| R1716           | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |
| R1717           | NRSA02J-104X | MG R      | 100kΩ 1/10W J |
| R1718-19        | NRSA02J-682X | MG R      | 6.8kΩ 1/10W J |
| R1720           | NRSA02J-472X | MG R      | 4.7kΩ 1/10W J |
| R1721           | NRSA02J-103X | MG R      | 10kΩ 1/10W J  |
| R1722           | NRSA02J-472X | MG R      | 4.7kΩ 1/10W J |
| R1723           | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |
| R1724-28        | NRSA02J-472X | MG R      | 4.7kΩ 1/10W J |
| R1729-31        | NRSA02J-221X | MG R      | 220Ω 1/10W J  |
| R1732           | NRSA02J-562X | MG R      | 5.6kΩ 1/10W J |
| R1733           | NRSA02J-103X | MG R      | 10kΩ 1/10W J  |
| R1734           | NRSA02J-223X | MG R      | 22kΩ 1/10W J  |
| R1736-39        | NRSA02J-103X | MG R      | 10kΩ 1/10W J  |
| R1740           | NRSA02J-331X | MG R      | 330Ω 1/10W J  |
| R1741-44        | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |
| R1745-47        | NRSA02J-472X | MG R      | 4.7kΩ 1/10W J |
| R1748-52        | NRSA02J-221X | MG R      | 220Ω 1/10W J  |
| R1753           | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |
| R1754           | NRSA02J-683X | MG R      | 68kΩ 1/10W J  |
| R1755           | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |
| R1756           | NRSA02J-103X | MG R      | 10kΩ 1/10W J  |
| R1758           | NRSA02J-103X | MG R      | 10kΩ 1/10W J  |
| R1759           | NRSA02J-472X | MG R      | 4.7kΩ 1/10W J |
| R1760           | NRSA02J-103X | MG R      | 10kΩ 1/10W J  |
| R1762-63        | NRSA02J-103X | MG R      | 10kΩ 1/10W J  |

AV-28WFT1EKS/EK

| △ Symbol No.    | Part No.     | Part Name | Description   |
|-----------------|--------------|-----------|---------------|
| <b>RESISTOR</b> |              |           |               |
| R1764-66        | NRSA02J-221X | MG R      | 220Ω 1/10W J  |
| R1767           | NRSA02J-103X | MG R      | 10kΩ 1/10W J  |
| R1770           | NRSA02J-272X | MG R      | 2.7kΩ 1/10W J |
| R1771-73        | NRSA02J-222X | MG R      | 2.2kΩ 1/10W J |
| R1774-75        | NRSA02J-393X | MG R      | 39kΩ 1/10W J  |
| R1777-79        | NRSA02J-222X | MG R      | 2.2kΩ 1/10W J |
| R1780           | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |
| R1784           | NRSA02J-473X | MG R      | 47kΩ 1/10W J  |
| R1785           | NRSA02J-223X | MG R      | 22kΩ 1/10W J  |
| R1786           | NRSA02J-473X | MG R      | 47kΩ 1/10W J  |
| R1787           | NRSA02J-332X | MG R      | 3.3kΩ 1/10W J |
| R1788           | NRSA02J-272X | MG R      | 2.7kΩ 1/10W J |
| R1789           | NRSA02J-473X | MG R      | 47kΩ 1/10W J  |
| R1790           | NRSA02J-682X | MG R      | 6.8kΩ 1/10W J |
| R1801-02        | NRSA02J-103X | MG R      | 10kΩ 1/10W J  |
| R1804           | NRSA02J-473X | MG R      | 47kΩ 1/10W J  |
| R1805           | NRSA02J-333X | MG R      | 33kΩ 1/10W J  |
| R1834           | NRSA02J-473X | MG R      | 47kΩ 1/10W J  |
| R1835           | NRSA02J-152X | MG R      | 1.5kΩ 1/10W J |
| R1837           | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |
| R1838           | NRSA02J-393X | MG R      | 39kΩ 1/10W J  |
| R1839           | NRSA02J-332X | MG R      | 3.3kΩ 1/10W J |
| R1840           | NRSA02J-152X | MG R      | 1.5kΩ 1/10W J |
| R1841           | NRSA02J-331X | MG R      | 330Ω 1/10W J  |
| R1842           | NRSA02J-222X | MG R      | 2.2kΩ 1/10W J |
| R1843           | NRSA02J-332X | MG R      | 3.3kΩ 1/10W J |
| R1844           | NRSA02J-392X | MG R      | 3.9kΩ 1/10W J |
| R1845           | NRSA02J-272X | MG R      | 2.7kΩ 1/10W J |
| R1846           | NRSA02J-103X | MG R      | 10kΩ 1/10W J  |
| R1847-48        | NRSA02J-472X | MG R      | 4.7kΩ 1/10W J |
| R1849           | NRSA02J-823X | MG R      | 82kΩ 1/10W J  |
| R1850-56        | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |
| R1857           | NRSA02J-472X | MG R      | 4.7kΩ 1/10W J |
| R1858           | NRSA02J-223X | MG R      | 22kΩ 1/10W J  |
| R1859           | NRSA02J-823X | MG R      | 82kΩ 1/10W J  |
| R1871           | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |
| R1872-73        | NRSA02J-222X | MG R      | 2.2kΩ 1/10W J |
| R1874           | NRSA02J-272X | MG R      | 2.7kΩ 1/10W J |
| R1875           | NRSA02J-104X | MG R      | 100kΩ 1/10W J |
| R1876           | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |
| R1877           | NRSA02J-393X | MG R      | 39kΩ 1/10W J  |
| R1878-80        | NRSA02J-152X | MG R      | 1.5kΩ 1/10W J |
| R1881-82        | NRSA02J-331X | MG R      | 330Ω 1/10W J  |
| R1883           | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |
| R1884           | NRSA02J-331X | MG R      | 330Ω 1/10W J  |

| △ Symbol No.     | Part No.     | Part Name | Description   |
|------------------|--------------|-----------|---------------|
| <b>CAPACITOR</b> |              |           |               |
| C1001            | NCB21HK-222X | C CAP.    | 2200pF 50V K  |
| C1003            | NCB21EK-104X | C CAP.    | 0.1μF 25V K   |
| C1004            | QETN1CM-108Z | E CAP.    | 1000pF 16V M  |
| C1005            | QETN1CM-107Z | E CAP.    | 100pF 16V M   |
| C1006            | QETN1HM-106Z | E CAP.    | 10pF 50V M    |
| C1007            | NCB21EK-104X | C CAP.    | 0.1μF 25V K   |
| C1008            | QETN1HM-106Z | E CAP.    | 10pF 50V M    |
| C1009            | NCB21EK-104X | C CAP.    | 0.1μF 25V K   |
| C1010            | QETN1CM-107Z | E CAP.    | 100pF 16V M   |
| C1301            | NCB21EK-104X | C CAP.    | 0.1μF 25V K   |
| C1302            | NCB21HK-823X | CHIP CAP. | 0.082μF 50V K |
| C1303            | QETN1EM-476Z | E CAP.    | 47pF 25V M    |
| C1304            | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |
| C1305            | QETN1CM-107Z | E CAP.    | 100pF 16V M   |
| C1306            | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |
| C1307            | QETN1CM-477Z | E CAP.    | 470pF 16V M   |
| C1308            | NDC21HJ-120X | C CAP.    | 12pF 50V J    |
| C1309            | QETN1HM-475Z | E CAP.    | 4.7pF 50V M   |
| C1310            | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |
| C1311            | QETN1HM-106Z | E CAP.    | 10pF 50V M    |
| C1312            | NDC21HJ-680X | C CAP.    | 68pF 50V J    |
| C1313            | QETN1CM-107Z | E CAP.    | 100pF 16V M   |
| C1314            | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |
| C1315            | QETN1HM-106Z | E CAP.    | 100pF 16V M   |
| C1319            | QETN1CM-107Z | E CAP.    | 100pF 16V M   |
| C1320            | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |
| C1321-23         | NCB21EK-104X | C CAP.    | 0.1μF 25V K   |
| C1324-26         | QETN1HM-105Z | E CAP.    | 1μF 50V M     |
| C1327            | QETN1HM-475Z | E CAP.    | 4.7μF 50V M   |
| C1328            | QETN1CM-107Z | E CAP.    | 100pF 16V M   |
| C1329            | QETN1EM-476Z | E CAP.    | 47pF 25V M    |
| C1331            | QETN1HM-105Z | E CAP.    | 1μF 50V M     |
| C1332            | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |
| C1333            | NCB21EK-104X | C CAP.    | 0.1μF 25V K   |
| C1401            | QETN1HM-105Z | E CAP.    | 1μF 50V M     |
| C1403-05         | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |
| C1406            | QFV71HJ-184Z | MF CAP.   | 0.18μF 50V J  |
| C1407            | QFV71HJ-564Z | MF CAP.   | 0.56μF 50V J  |
| C1408            | NCB21HK-153X | C CAP.    | 0.015μF 50V K |
| C1501            | QETN1CM-107Z | E CAP.    | 100pF 16V M   |
| C1502-04         | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |
| C1505            | NCB21HK-822X | C CAP.    | 8200pF 50V K  |
| C1506            | QETN1HM-105Z | E CAP.    | 1μF 50V M     |
| C1507            | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |
| C1508            | QETN1CM-108Z | E CAP.    | 1000pF 16V M  |
| C1509            | NCB21HK-823X | CHIP CAP. | 0.082μF 50V K |
| C1510-11         | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |
| C1512            | QTHN1HM-105Z | E CAP.    | 0.1μF 50V K   |
| C1513            | QETN1CM-228Z | E CAP.    | 2200pF 16V M  |
| C1514            | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |
| C1515            | QFV71HJ-394Z | MF CAP.   | 0.39μF 50V J  |
| C1516            | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |
| C1551-52         | NCB21EK-224X | CHIP CAP. | 0.22μF 25V K  |
| C1553            | QETN1EM-476Z | E CAP.    | 47pF 25V M    |
| C1554-55         | NCB21EK-224X | CHIP CAP. | 0.22μF 25V K  |
| C1571            | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |
| C1601-02         | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |
| C1603-04         | NCP21CZ-105X | C CAP.    | 1μF 16V Z     |
| C1606            | NRSA02J-OR0X | MG R      | 0.0Ω 1/10W J  |
| C1622-23         | QETN1CM-227Z | E CAP.    | 220pF 16V M   |
| C1625            | QETN1HM-105Z | E CAP.    | 1μF 50V M     |
| C1635            | QETN1HM-105Z | E CAP.    | 1μF 50V M     |
| C1636            | QETN1HM-107Z | E CAP.    | 100pF 50V M   |
| C1637            | QETN1HM-106Z | E CAP.    | 10μF 50V M    |
| C1638-39         | NCP21HZ-224X | C CAP.    | 0.22μF 50V Z  |
| C1653            | NCP21HZ-224X | C CAP.    | 0.22μF 50V Z  |
| C1655            | NCP21HZ-224X | C CAP.    | 0.22μF 50V Z  |
| C1656            | QETN1HM-228  | E CAP.    | 2200pF 50V M  |
| C1661-62         | QETM1MVH-108 | E CAP.    | 1000μF 35V M  |
| C1668            | NCB21EK-104X | C CAP.    | 0.1μF 25V K   |
| C1671            | QETN1CH-107Z | E CAP.    | 100pF 16V M   |
| C1672            | NCB21EK-104X | C CAP.    | 0.1μF 25V K   |
| C1701            | NCP21CZ-105X | C CAP.    | 1μF 16V Z     |
| C1703            | QETN1EM-476Z | E CAP.    | 47pF 25V M    |
| C1704            | NCB21EK-104X | C CAP.    | 0.1μF 25V K   |
| C1705            | QETN1HM-107Z | E CAP.    | 100pF 10V M   |
| C1706            | NCB21EK-104X | C CAP.    | 0.1μF 25V K   |
| C1707            | QETN1HM-474Z | E CAP.    | 0.47μF 50V M  |
| C1708            | QETN1EM-476Z | E CAP.    | 47pF 25V M    |
| C1709-10         | NDC21HJ-9R0X | C CAP.    | 9.0pF 50V J   |
| C1711            | NCB21EK-104X | C CAP.    | 0.1μF 25V K   |
| C1712            | NDC21HJ-151X | C CAP.    | 150pF 50V J   |
| C1713            | QETN1HM-105Z | E CAP.    | 1μF 50V M     |
| C1714            | NDC21HJ-561X | C CAP.    | 560pF 50V J   |
| C1716-17         | QETN1HM-105Z | E CAP.    | 1μF 50V M     |
| C1718            | NCB21HK-333X | C CAP.    | 0.033μF 50V K |
| C1725            | NCB21HK-102X | C CAP.    | 1000pF 50V K  |
| C1726            | NDC21HJ-391X | C CAP.    | 390pF 50V J   |
| C1831-32         | QETN1EM-476Z | E CAP.    | 47pF 25V M    |
| C1833            | NDC21HJ-221X | C CAP.    | 220pF 50V J   |

| △                | Symbol No.   | Part No. | Part Name | Description |
|------------------|--------------|----------|-----------|-------------|
| <b>CAPACITOR</b> |              |          |           |             |
| C1834            | NCB21EK-104X | C CAP.   | 0.1μF     | 25V K       |
| C1835            | NDC21HJ-220X | C CAP.   | 22pF      | 50V J       |
| C1836-38         | NCB21EK-104X | C CAP.   | 0.1μF     | 25V K       |
| C1839            | QETN1HM-106Z | E CAP.   | 10pF      | 50V M       |
| C1871            | NCB21EK-104X | C CAP.   | 0.1μF     | 25V K       |
| C1872            | NCB21HK-223X | C CAP.   | 0.022μF   | 50V K       |
| C1873            | NDC21HJ-221X | C CAP.   | 220pF     | 50V J       |
| C1874-75         | NDC21HJ-150X | C CAP.   | 15pF      | 50V J       |
| C1876            | NCB21HK-102X | C CAP.   | 1000pF    | 50V K       |
| C1877            | NCB21EK-104X | C CAP.   | 0.1μF     | 25V K       |
| C1878            | NCB21HK-102X | C CAP.   | 1000pF    | 50V K       |
| C1879            | NDC21HJ-221X | C CAP.   | 220pF     | 50V J       |
| C1880            | QETN1AM-477Z | E CAP.   | 470pF     | 10V M       |
| C1881            | NCB21EK-104X | C CAP.   | 0.1μF     | 25V K       |
| C1882            | QETN1EM-476Z | E CAP.   | 47μF      | 25V M       |
| C1883            | NCB21HK-103X | C CAP.   | 0.01μF    | 50V K       |
| C1885            | NCB21EK-104X | C CAP.   | 0.1μF     | 25V K       |
| C1886            | NCB21HK-103X | C CAP.   | 0.01μF    | 50V K       |
| C1887-89         | QETN1HM-106Z | E CAP.   | 50V M     |             |

| △                 | Symbol No.   | Part No.     | Part Name | Description |
|-------------------|--------------|--------------|-----------|-------------|
| <b>COIL</b>       |              |              |           |             |
| L1001             | QQL01BK-5R6Z | PEAKING COIL | 5.6μH     |             |
| L1002             | QQL01BK-270Z | PEAKING COIL | 27μH      |             |
| L1301-02          | QQL01BK-4R7Z | PEAKING COIL | 4.7μH     |             |
| L1305             | QL244K-4R7Z  | PEAKING COIL | 4.7μH     |             |
| L1501             | QL244J-151Z  | PEAKING COIL | 150μH     |             |
| L1701             | QQL01BK-4R7Z | PEAKING COIL | 4.7μH     |             |
| L1702             | QQL01BK-3R9Z | PEAKING COIL | 3.9μH     |             |
| L1871             | QQL01BK-4R7Z | PEAKING COIL | 4.7μH     |             |
| <b>DIODE</b>      |              |              |           |             |
| D1301             | MA3051/M/-X  | ZENER DIODE  |           |             |
| D1302-04          | MA111-X      | SI. DIODE    |           |             |
| D1503             | RB100A-T2    | SI. DIODE    |           |             |
| D1602             | MA111-X      | SI. DIODE    |           |             |
| D1608-10          | MA111-X      | SI. DIODE    |           |             |
| D1612-13          | MA111-X      | SI. DIODE    |           |             |
| D1617-18          | MA3330/L/-X  | ZENER DIODE  |           |             |
| D1624-25          | MA111-X      | SI. DIODE    |           |             |
| D1701             | MA3068/M/-X  | ZENER DIODE  |           |             |
| D1702             | MA111-X      | SI. DIODE    |           |             |
| D1704             | MA111-X      | SI. DIODE    |           |             |
| D1705             | MA3036-X     | ZENER DIODE  |           |             |
| D1706-08          | MA111-X      | SI. DIODE    |           |             |
| D1710             | MA111-X      | SI. DIODE    |           |             |
| D1831             | MA3051/M/-X  | ZENER DIODE  |           |             |
| <b>TRANSISTOR</b> |              |              |           |             |

| △                 | Symbol No.      | Part No.          | Part Name | Description |
|-------------------|-----------------|-------------------|-----------|-------------|
| <b>TRANSISTOR</b> |                 |                   |           |             |
| Q1709-10          | 2SC2412K/QR/-X  | SI. TRANSISTOR    |           |             |
| Q1832-33          | 2SC2412K/QR/-X  | SI. TRANSISTOR    |           |             |
| Q1834             | 2SA1037AK/QR/-X | SI. TRANSISTOR    |           |             |
| Q1835-37          | 2SC2412K/QR/-X  | SI. TRANSISTOR    |           |             |
| Q1871             | 2SA1037AK/QR/-X | SI. TRANSISTOR    |           |             |
| Q1872             | 2SC2412K/QR/-X  | SI. TRANSISTOR    |           |             |
| <b>IC</b>         |                 |                   |           |             |
| IC1301            | TB1227CN        | I C               |           |             |
| IC1302            | TC4053BP/N/     | I.C.(DIGI-MOS)    |           |             |
| IC1501            | AN5441SA-W      | I C               |           |             |
| IC1551            | LA6515          | I.C.(MONO-ANA)    |           |             |
| IC1601            | TA8246AH        | I.C.(HYBRID)      |           |             |
| IC1607            | TA78L005AP-T    | I.C.(H)           |           |             |
| IC1701            | M37280MK-104SP  | I C               |           |             |
| IC1702            | AT24C16-32WFT1  | I.C.<br>(SERVICE) |           |             |
| IC1703            | L78LR05E-MA     | I.C.(MONO-ANA)    |           |             |
| IC1704            | JLC1562BF-X     | I.C.(DIGI-MOS)    |           |             |
| IC1831            | JCC5035         | I.C.(DIGI-MOS)    |           |             |
| IC1832            | MN1382/Q/-X     | I.C.(MONO-ANA)    |           |             |
| IC1871            | ET417           | I.C.(M)           |           |             |
| IC1872            | ET206           | I.C.(M)           |           |             |

| △             | Symbol No.   | Part No.       | Part Name | Description |
|---------------|--------------|----------------|-----------|-------------|
| <b>OTHERS</b> |              |                |           |             |
| CN1001        | QGF1216C1-25 | FFC CONNECTOR  |           |             |
| J1001         | ONNO296-001  | PIN JACK       |           |             |
| K1001-02      | CE41433-001Z | BEADS CORE     |           |             |
| K1004         | CE41433-001Z | BEADS CORE     |           |             |
| K1307         | CE41433-001Z | BEADS CORE     |           |             |
| K1601-02      | CE42681-001Y | BEADS CORE     |           |             |
| K1872         | CE41433-001Z | BEADS CORE     |           |             |
| LC1301        | CE42142-22ZZ | EMI FILTER     |           |             |
| TU1001        | QAU0189-001  | TUNER          |           |             |
| W1229         | NRSA02J-0R0X | MG R           | 0.0Ω      | 1/10W J     |
| W1232-33      | NRSA02J-0R0X | MG R           | 0.0Ω      | 1/10W J     |
| W1235-42      | NRSA02J-0R0X | MG R           | 0.0Ω      | 1/10W J     |
| W1245         | NRSA02J-0R0X | MG R           | 0.0Ω      | 1/10W J     |
| X1301         | QAX0305-001Z | CRYSTAL        |           |             |
| X1701         | CST8.00NTW   | CER. RESONATOR |           |             |
| X1831         | QAX0624-001Z | C RESONATOR    |           |             |
| X1871         | CE41257-001Z | CRYSTAL        |           |             |
| Y1611-13      | NRSA02J-0R0X | MG R           | 0.0Ω      | 1/10W J     |
| Y1618-19      | NRSA02J-0R0X | MG R           | 0.0Ω      | 1/10W J     |
| Y1871         | NRSA02J-0R0X | MG R           | 0.0Ω      | 1/10W J     |

### POWER & DEF. PW BOARD ASS'Y (SJK-2502A-U2)

Refer to PARTS LIST in page 45 for this P.W. board.

### CRT SOCKET PW BOARD ASS'Y (SJK-3502A-U2)

Refer to PARTS LIST in page 47 for this P.W. board.

### FRONT CONTROL PW BOARD ASS'Y (SJK-8502A-U2)

Refer to PARTS LIST in page 48 for this P.W. board.

**AV SEL. PW BOARD ASS'Y (SJK0S901A-U2)**

△ Symbol No. Part No. Part Name Description

**RESISTOR**

|          |              |      |               |
|----------|--------------|------|---------------|
| R0101-08 | NRSA02J-750X | MG R | 75Ω 1/10W J   |
| R0110    | NRSA02J-823X | MG R | 82kΩ 1/10W J  |
| R0112    | NRSA02J-823X | MG R | 82kΩ 1/10W J  |
| R0113    | NRSA02J-750X | MG R | 75Ω 1/10W J   |
| R0114    | NRSA02J-473X | MG R | 47kΩ 1/10W J  |
| R0115-16 | NRSA02J-223X | MG R | 22kΩ 1/10W J  |
| R0117-18 | NRSA02J-823X | MG R | 82kΩ 1/10W J  |
| R0119-20 | NRSA02J-391X | MG R | 390Ω 1/10W J  |
| R0123    | NRSA02J-104X | MG R | 100kΩ 1/10W J |
| R0124-25 | NRSA02J-101X | MG R | 100Ω 1/10W J  |
| R0126    | NRSA02J-333X | MG R | 33kΩ 1/10W J  |
| R0127    | NRSA02J-101X | MG R | 100Ω 1/10W J  |
| R0128    | NRSA02J-103X | MG R | 10kΩ 1/10W J  |
| R0129    | NRSA02J-683X | MG R | 68kΩ 1/10W J  |
| R0130    | NRSA02J-473X | MG R | 47kΩ 1/10W J  |
| R0131    | NRSA02J-273X | MG R | 27kΩ 1/10W J  |
| R0132    | NRSA02J-153X | MG R | 15kΩ 1/10W J  |
| R0133    | NRSA02J-222X | MG R | 2.2kΩ 1/10W J |
| R0134    | NRSA02J-333X | MG R | 33kΩ 1/10W J  |
| R0135    | NRSA02J-222X | MG R | 2.2kΩ 1/10W J |
| R0136-37 | NRSA02J-333X | MG R | 33kΩ 1/10W J  |
| R0138    | NRSA02J-473X | MG R | 47kΩ 1/10W J  |
| R0139    | NRSA02J-683X | MG R | 68kΩ 1/10W J  |
| R0140    | NRSA02J-103X | MG R | 10kΩ 1/10W J  |
| R0141    | NRSA02J-153X | MG R | 15kΩ 1/10W J  |
| R0142    | NRSA02J-223X | MG R | 22kΩ 1/10W J  |
| R0143    | NRSA02J-473X | MG R | 47kΩ 1/10W J  |
| R0144    | NRSA02J-273X | MG R | 27kΩ 1/10W J  |
| R0146    | NRSA02J-391X | MG R | 390Ω 1/10W J  |
| R0148    | NRSA02J-391X | MG R | 390Ω 1/10W J  |
| R0151    | NRSA02J-104X | MG R | 100kΩ 1/10W J |
| R0152    | NRSA02J-222X | MG R | 2.2kΩ 1/10W J |
| R0153    | NRSA02J-333X | MG R | 33kΩ 1/10W J  |
| R0154    | NRSA02J-222X | MG R | 2.2kΩ 1/10W J |
| R0155    | NRSA02J-333X | MG R | 33kΩ 1/10W J  |
| R0156-69 | NRSA02J-101X | MG R | 100Ω 1/10W J  |
| R0170    | NRSA02J-333X | MG R | 33kΩ 1/10W J  |
| R0171    | NRSA02J-222X | MG R | 2.2kΩ 1/10W J |
| R0172    | NRSA02J-473X | MG R | 47kΩ 1/10W J  |
| R0173    | NRSA02J-683X | MG R | 68kΩ 1/10W J  |
| R0174    | NRSA02J-103X | MG R | 10kΩ 1/10W J  |
| R0175    | NRSA02J-153X | MG R | 15kΩ 1/10W J  |
| R0176    | NRSA02J-473X | MG R | 47kΩ 1/10W J  |
| R0177    | NRSA02J-273X | MG R | 27kΩ 1/10W J  |
| R0180-83 | NRSA02J-101X | MG R | 100Ω 1/10W J  |
| R0184    | NRSA02J-333X | MG R | 33kΩ 1/10W J  |
| R0185    | NRSA02J-222X | MG R | 2.2kΩ 1/10W J |
| R0186    | NRSA02J-333X | MG R | 33kΩ 1/10W J  |
| R0188    | NRSA02J-101X | MG R | 100Ω 1/10W J  |
| R0189-90 | NRSA02J-221X | MG R | 220Ω 1/10W J  |
| R0191-92 | NRSA02J-562X | MG R | 5.6kΩ 1/10W J |
| R0193-94 | NRSA02J-102X | MG R | 1kΩ 1/10W J   |
| R0195    | QRG01GJ-101  | OM R | 100Ω 1W J     |
| R0197    | QRK126J-181X | C R  | 180Ω 1/2W J   |
| R0198    | NRSA02J-750X | MG R | 75Ω 1/10W J   |
| R0199    | NRSA02J-101X | MG R | 100Ω 1/10W J  |
| R0202    | QRK126J-151X | C R  | 150Ω 1/2W J   |
| R0203-05 | NRSA02J-750X | MG R | 75Ω 1/10W J   |
| R0207    | NRSA02J-222X | MG R | 2.2kΩ 1/10W J |
| R0208    | NRSA02J-333X | MG R | 33kΩ 1/10W J  |
| R0209    | NRSA02J-222X | MG R | 2.2kΩ 1/10W J |
| R0210    | NRSA02J-333X | MG R | 33kΩ 1/10W J  |
| R0211-12 | NRSA02J-103X | MG R | 10kΩ 1/10W J  |
| R0301    | NRSA02J-103X | MG R | 10kΩ 1/10W J  |
| R0302    | NRSA02J-562X | MG R | 5.6kΩ 1/10W J |
| R0303-04 | NRSA02J-222X | MG R | 2.2kΩ 1/10W J |
| R0305    | NRSA02J-103X | MG R | 10kΩ 1/10W J  |
| R0309    | NRSA02J-562X | MG R | 5.6kΩ 1/10W J |
| R0310    | NRSA02J-392X | MG R | 3.9kΩ 1/10W J |

△ Symbol No. Part No. Part Name Description

**RESISTOR**

|          |              |      |               |
|----------|--------------|------|---------------|
| R0313    | NRSA02J-101X | MG R | 100Ω 1/10W J  |
| R0314    | NRSA02J-473X | MG R | 47kΩ 1/10W J  |
| R0315    | NRSA02J-102X | MG R | 1kΩ 1/10W J   |
| R0316    | NRSA02J-122X | MG R | 1.2kΩ 1/10W J |
| R0317    | NRSA02J-273X | MG R | 27kΩ 1/10W J  |
| R0318-19 | NRSA02J-102X | MG R | 1kΩ 1/10W J   |
| R0320    | NRSA02J-473X | MG R | 47kΩ 1/10W J  |
| R0321    | NRSA02J-101X | MG R | 100Ω 1/10W J  |
| R0322    | NRSA02J-273X | MG R | 27kΩ 1/10W J  |
| R0323    | NRSA02J-122X | MG R | 1.2kΩ 1/10W J |
| R0324    | NRSA02J-102X | MG R | 1kΩ 1/10W J   |
| R0325    | NRSA02J-682X | MG R | 6.8kΩ 1/10W J |
| R0603    | NRSA02J-102X | MG R | 1kΩ 1/10W J   |
| R0606    | QRG01GJ-181  | OM R | 180Ω 1W J     |
| R0607    | NRSA02J-123X | MG R | 12kΩ 1/10W J  |
| R0608    | NRSA02J-181X | MG R | 180Ω 1/10W J  |
| R0609    | NRSA02J-123X | MG R | 12kΩ 1/10W J  |
| R0610    | NRSA02J-561X | MG R | 560Ω 1/10W J  |
| R0614-15 | NRSA02J-223X | MG R | 22kΩ 1/10W J  |
| R0617-18 | NRSA02J-103X | MG R | 10kΩ 1/10W J  |
| R0620    | NRSA02J-103X | MG R | 10kΩ 1/10W J  |
| R0622-23 | NRSA02J-223X | MG R | 22kΩ 1/10W J  |
| R0628    | NRSA02J-0R0X | MG R | 0.0Ω 1/10W J  |
| R0629-30 | NRSA02J-101X | MG R | 100Ω 1/10W J  |
| R0631    | NRSA02J-122X | MG R | 1.2kΩ 1/10W J |
| R0632    | NRSA02J-473X | MG R | 47kΩ 1/10W J  |
| R0633    | NRSA02J-272X | MG R | 2.7kΩ 1/10W J |
| R0634    | NRSA02J-473X | MG R | 47kΩ 1/10W J  |
| R0635    | NRSA02J-272X | MG R | 2.7kΩ 1/10W J |
| R0636    | NRSA02J-682X | MG R | 6.8kΩ 1/10W J |
| R0638    | NRSA02J-682X | MG R | 6.8kΩ 1/10W J |
| R0647-48 | NRSA02J-103X | MG R | 10kΩ 1/10W J  |
| R0649-50 | NRSA02J-822X | MG R | 8.2kΩ 1/10W J |

**CAPACITOR**

|          |              |           |              |
|----------|--------------|-----------|--------------|
| C0101    | NCB21HK-472X | C CAP.    | 4700pF 50V K |
| C0102    | QETN1CM-477Z | E CAP.    | 470μF 16V M  |
| C0103-05 | QETN1HM-106Z | E CAP.    | 10μF 50V M   |
| C0106-09 | NCB21HK-472X | C CAP.    | 4700pF 50V K |
| C0110    | QETN1CM-477Z | E CAP.    | 470μF 16V M  |
| C0111-15 | NCB21HK-472X | C CAP.    | 4700pF 50V K |
| C0116-17 | QETN1HM-106Z | E CAP.    | 10μF 50V M   |
| C0118    | NCB21HK-102X | C CAP.    | 1000pF 50V K |
| C0119    | QETN1HM-105Z | E CAP.    | 1μF 50V M    |
| C0120    | QETN1HM-106Z | E CAP.    | 10μF 50V M   |
| C0121    | QETN1HM-105Z | E CAP.    | 1μF 50V M    |
| C0122    | NCB21HK-103X | C CAP.    | 0.01μF 50V K |
| C0123    | NCB21HK-102X | C CAP.    | 1000pF 50V K |
| C0124-25 | QETN1HM-106Z | E CAP.    | 10μF 50V M   |
| C0126    | QETN1HM-105Z | E CAP.    | 1μF 50V M    |
| C0127    | QETN1HM-106Z | E CAP.    | 10μF 50V M   |
| C0128    | QETN1HM-105Z | E CAP.    | 1μF 50V M    |
| C0129    | QETN1HM-106Z | E CAP.    | 10μF 50V M   |
| C0130    | QETN1HM-105Z | E CAP.    | 1μF 50V M    |
| C0131    | NCB21HK-102X | C CAP.    | 1000pF 50V K |
| C0132    | QETN1HM-105Z | E CAP.    | 1μF 50V M    |
| C0133    | NCB21HK-103X | C CAP.    | 0.01μF 50V K |
| C0136    | QETN1HM-106Z | E CAP.    | 10μF 50V M   |
| C0137    | QENC1EM-106Z | BP E CAP. | 10μF 25V M   |
| C0139    | QENC1EM-106Z | BP E CAP. | 10μF 25V M   |
| C0140    | QETN1CM-107Z | E CAP.    | 100μF 16V M  |
| C0141    | NCB21HK-103X | C CAP.    | 0.01pF 50V K |
| C0142    | NCFC1CZ-105X | C CAP.    | 1μF 16V Z    |
| C0143    | QENC1EM-106Z | BP E CAP. | 10μF 25V M   |
| C0144    | NCF21CZ-105X | C CAP.    | 1μF 16V Z    |
| C0145-46 | QETN1CM-107Z | E CAP.    | 100μF 16V M  |
| C0147    | QETN1CM-477Z | E CAP.    | 470μF 16V M  |

| △                | Symbol No. | Part No. | Part Name | Description |
|------------------|------------|----------|-----------|-------------|
| <b>CAPACITOR</b> |            |          |           |             |

|          |              |        |         |       |
|----------|--------------|--------|---------|-------|
| C0149    | NCB21HK-103X | C CAP. | 0.01μF  | 50V K |
| C0150-51 | QETN1HM-106Z | E CAP. | 10μF    | 50V K |
| C0152-53 | QETN1HM-105Z | E CAP. | 1μF     | 50V M |
| C0154-55 | NDC21HK-680X | C CAP. | 68pF    | 50V J |
| C0156    | NCB21HK-103X | C CAP. | 0.01μF  | 50V K |
| C0301    | NDC21HJ-271X | C CAP. | 270pF   | 50V J |
| C0306-07 | NCB21EK-104X | C CAP. | 0.1μF   | 25V K |
| C0308    | NCB21HK-103X | C CAP. | 0.01μF  | 50V K |
| C0310-11 | QETN1HM-106Z | E CAP. | 10μF    | 50V M |
| C0312    | NCB21HK-103X | C CAP. | 0.01μF  | 50V K |
| C0313    | NCB21EK-104X | C CAP. | 0.1μF   | 25V K |
| C0610    | NDC21HJ-821X | C CAP. | 820pF   | 50V J |
| C0611-12 | NDC21HJ-470X | C CAP. | 47pF    | 50V J |
| C0614    | NDC21HJ-180X | C CAP. | 18pF    | 50V J |
| C0616    | QETN1CM-107Z | E CAP. | 100μF   | 16V M |
| C0617    | NCB21EK-104X | C CAP. | 0.1μF   | 25V K |
| C0618    | QETN1HM-106Z | E CAP. | 10μF    | 50V M |
| C0619    | NCB21EK-104X | C CAP. | 0.1μF   | 25V K |
| C0620    | QETN1HM-106Z | E CAP. | 10μF    | 50V M |
| C0621-22 | NCF21CZ-105X | C CAP. | 1μF     | 16V Z |
| C0623    | NCB21EK-104X | C CAP. | 0.1μF   | 25V K |
| C0624    | QETN1HM-106Z | E CAP. | 10μF    | 50V M |
| C0625    | NCB21HK-332X | C CAP. | 3300pF  | 50V K |
| C0626    | NCB21HK-333X | C CAP. | 0.033μF | 50V K |
| C0627    | NCF21CZ-105X | C CAP. | 1μF     | 16V Z |
| C0628    | QETN1EM-476Z | E CAP. | 47μF    | 25V M |
| C0629    | QETN1HM-106Z | E CAP. | 10μF    | 50V M |
| C0630-31 | NCB21HK-102X | C CAP. | 1000pF  | 50V K |
| C0632    | NCB21EK-104X | C CAP. | 0.1μF   | 25V K |
| C0633    | QETN1HM-106Z | E CAP. | 10μF    | 50V M |
| C0634-35 | NCB21HK-103X | C CAP. | 0.01μF  | 50V K |
| C0636    | NDC21HJ-2R0X | C CAP. | 2.0pF   | 50V J |
| C0637    | NCB21HK-332X | C CAP. | 3300pF  | 50V K |
| C0638    | NCB21HK-333X | C CAP. | 0.033μF | 50V K |
| C0639    | QETN1HM-106Z | E CAP. | 10μF    | 50V M |
| C0640    | QETN1EM-476Z | E CAP. | 47μF    | 25V M |
| C0641    | NCB21EK-104X | C CAP. | 0.1μF   | 25V K |
| C0642    | NDC21HJ-2R0X | C CAP. | 2.0pF   | 50V J |
| C0643    | NCF21CZ-105X | C CAP. | 1μF     | 16V Z |
| C0645    | NCB21HK-103X | C CAP. | 0.01μF  | 50V K |
| C0646    | NCB21EK-104X | C CAP. | 0.1μF   | 25V K |
| C0647    | QETN1CM-107Z | E CAP. | 100μF   | 16V M |
| C0648    | NCB21EK-104X | C CAP. | 0.1μF   | 25V K |
| C0649    | QETN1CM-107Z | E CAP. | 100μF   | 16V M |
| C0650    | NDC21HJ-221X | C CAP. | 220pF   | 50V J |
| C0651    | NCB21HK-562X | C CAP. | 5600pF  | 50V K |
| C0652    | QETN1EM-476Z | E CAP. | 47μF    | 25V M |
| C0653    | NDC21HJ-221X | C CAP. | 220pF   | 50V J |
| C0654    | NCB21HK-562X | C CAP. | 5600pF  | 50V K |
| C0659-60 | NCF21CZ-105X | C CAP. | 1μF     | 16V Z |
| C0677-78 | NCB21HK-102X | C CAP. | 1000pF  | 50V K |

### COIL

|          |              |              |
|----------|--------------|--------------|
| L0112-14 | QQR0716-001Z | LEAD CORE    |
| L0301    | QLQ01BK-221Z | PEAKING COIL |
| L0601    | QLQ01BK-220Z | PEAKING COIL |
| L0602    | QLQ01BK-180Z | PEAKING COIL |
| L0604    | QLQ01BK-100Z | PEAKING COIL |
| L0605    | QLQ01BK-4R7Z | PEAKING COIL |

### DIODE

|          |               |             |
|----------|---------------|-------------|
| D0101-13 | MA3120/M-X    | ZENER DIODE |
| D0601    | RD8.2E/B2/-T2 | ZENER DIODE |
| D0602    | MA3062/M-X    | ZENER DIODE |

| △                 | Symbol No. | Part No. | Part Name | Description |
|-------------------|------------|----------|-----------|-------------|
| <b>TRANSISTOR</b> |            |          |           |             |

|          |                 |                 |
|----------|-----------------|-----------------|
| Q0101    | DTC323TK-X      | DIGI TRANSISTOR |
| Q0102    | 2SA1037AK/QR/-X | SI TRANSISTOR   |
| Q0103    | DTC323TK-X      | DIGI TRANSISTOR |
| Q0104-07 | 2SC2412K/QR/-X  | SI TRANSISTOR   |
| Q0108    | 2SA1037AK/QR/-X | SI TRANSISTOR   |
| Q0109-10 | DTC323TK-X      | DIGI TRANSISTOR |
| Q0111-12 | 2SC2412K/QR/-X  | SI TRANSISTOR   |
| Q0116    | 2SA933AS/QR/-T  | SI TRANSISTOR   |
| Q0118    | 2SC1740S/QR/-T  | SI TRANSISTOR   |
| Q0119-20 | 2SC2412K/QR/-X  | SI TRANSISTOR   |
| Q0301    | 2SA1037AK/QR/-X | SI TRANSISTOR   |
| Q0302-03 | DTC124EKA-X     | DIGI TRANSISTOR |
| Q0304-05 | 2SA1037AK/QR/-X | SI TRANSISTOR   |
| Q0306    | 2SC2412K/QR/-X  | SI TRANSISTOR   |
| Q0307    | 2SA1037AK/QR/-X | SI TRANSISTOR   |
| Q0308    | 2SC2412K/QR/-X  | SI TRANSISTOR   |
| Q0601    | 2SC2412K/QR/-X  | SI TRANSISTOR   |

### IC

|        |                 |                 |
|--------|-----------------|-----------------|
| IC0101 | CXA2089Q-X      | I C             |
| IC0302 | TDA9181/N1-X    | I C             |
| IC0602 | NJN2150AM-X     | I.C. (MONO-ANA) |
| IC0603 | MSP3415D-QG-B3X | I.C.            |
| IC0604 | BA4558F-X       | I.C. (MONO-ANA) |

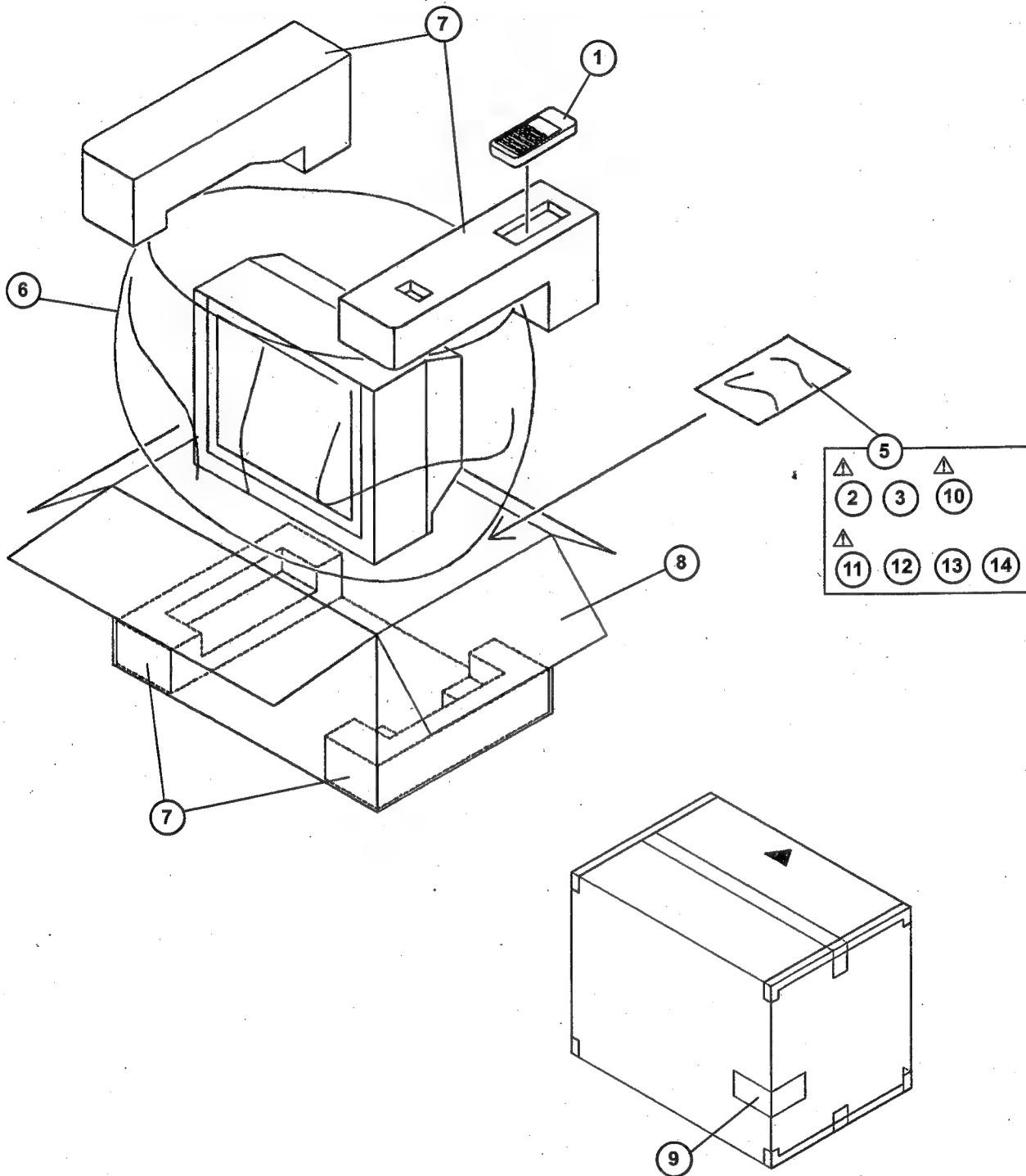
### OTHERS

|           |               |                 |
|-----------|---------------|-----------------|
| J0001     | CEX45309      | SCART CONNECTOR |
| J0002     | CE40529-009J1 | 21 PIN SOCKET   |
| K0601     | CE41433-001Z  | BEADS CORE      |
| LC0601-02 | CE42482-103Y  | EMI FILTER      |
| W0001-10  | NRSA02J-OROX  | MG R            |
| W0023     | NRSA02J-OROX  | MG R            |
| W0026     | NRSA02J-OROX  | MG R            |
| W0029     | NRSA02J-OROX  | MG R            |
| W0032     | NRSA02J-OROX  | MG R            |
| W0041     | NRSA02J-OROX  | MG R            |
| W0052     | NRSA02J-OROX  | MG R            |
| W0065     | NRSA02J-OROX  | MG R            |
| W0076-88  | NRSA02J-OROX  | MG R            |
| W0110     | NRSA02J-OROX  | MG R            |
| W0113-14  | NRSA02J-OROX  | MG R            |
| W0119     | NRSA02J-OROX  | MG R            |
| W0125     | NRSA02J-OROX  | MG R            |
| W0129-30  | NRSA02J-OROX  | MG R            |
| W0136-39  | NRSA02J-OROX  | MG R            |
| W0145-48  | NRSA02J-OROX  | MG R            |
| W0157     | NRSA02J-OROX  | MG R            |
| W0160     | NRSA02J-OROX  | MG R            |
| X0601     | CE42546-001Z  | CRYSTAL         |
| Y0606     | NRSA02J-OROX  | MG R            |
| Y0616     | NRSA02J-OROX  | MG R            |

AV-28WFT1EPG AV-28WFT1EIS  
AV-28WFT1EPS  
AV-28WFT1EKS  
AV-28WFT1EK

## AV-28WFT1EPG / AV-28WFT1EPS / AV-28WFT1EIS AV-28WFT1EKS / AV-28WFT1EK

### PACKING



## PACKING PARTS LIST

### AV-28WFT1EPG

| △ Ref.No. | Part No.       | Part Name     | Description                 |
|-----------|----------------|---------------|-----------------------------|
| 1         | RM-C50-1C      | REMOCON UNIT  |                             |
| 3         | BT-54013-1E    | WARRANTY CARD |                             |
| 5         | AEM3021-001-E  | POLY BAG      |                             |
| 6         | AEM1047-002-E  | POLY BAG      |                             |
| 7         | LC10722-002A-U | CUSHION ASSY  | 4pcs in 1set                |
| 8         | AEM1002-068-E  | PACKING CASE  |                             |
| 9         | AEM1039-070-E  | EURO LABEL    |                             |
| △ 10      | LCT0619-001A-U | INST BOOK     | For ENG/GER/FRA/NED/ITA/ESP |
| △ 11      | LCT0620-001A-U | INST BOOK     | For FIN/NOR/DEN/SWE/POR     |
| 12        | AEM1050-001-E  | X-RAY CARD    |                             |
| 13        | 2832WFT1-HSAE  | S.DIAGRAM     | ONLY ITALY(SERVICE)         |

### AV-28WFT1EPS

| △ Ref.No. | Part No.       | Part Name     | Description                 |
|-----------|----------------|---------------|-----------------------------|
| 1         | RM-C50-1C      | REMOCON UNIT  |                             |
| 3         | BT-54013-1E    | WARRANTY CARD |                             |
| 5         | AEM3021-001-E  | POLY BAG      |                             |
| 6         | AEM1047-002-E  | POLY BAG      |                             |
| 7         | LC10722-002A-U | CUSHION ASSY  | 4pcs in 1set                |
| 8         | AEM1002-068-E  | PACKING CASE  |                             |
| 9         | AEM1039-079-E  | EURO LABEL    |                             |
| △ 10      | LCT0619-001A-U | INST BOOK     | For ENG/GER/FRA/NED/ITA/ESP |
| △ 11      | LCT0620-001A-U | INST BOOK     | For FIN/NOR/DEN/SWE/POR     |
| 12        | AEM1050-001-E  | X-RAY CARD    |                             |
| 13        | 2832WFT1-HSAE  | S.DIAGRAM     | ONLY ITALY(SERVICE)         |

### AV-28WFT1EIS

| △ Ref.No. | Part No.       | Part Name     | Description  |
|-----------|----------------|---------------|--------------|
| 1         | RM-C51-1C      | REMOCON UNIT  |              |
| △ 2       | LCT0622-001A-U | INST BOOK     |              |
| 3         | BT-54013-1E    | WARRANTY CARD |              |
| 5         | AEM3021-001-E  | POLY BAG      |              |
| 6         | AEM1047-002-E  | POLY BAG      |              |
| 7         | LC10722-002A-U | CUSHION ASSY  | 4pcs in 1set |
| 8         | AEM1002-068-E  | PACKING CASE  |              |
| 9         | AEM1039-081-E  | EURO LABEL    |              |

### AV-28WFT1EKS

| △ Ref.No. | Part No.       | Part Name     | Description  |
|-----------|----------------|---------------|--------------|
| 1         | RM-C51-1C      | REMOCON UNIT  |              |
| △ 2       | LCT0621-001A-U | INST BOOK     |              |
| 3         | BT-54013-1E    | WARRANTY CARD |              |
| 5         | AEM3021-001-E  | POLY BAG      |              |
| 6         | AEM1047-002-E  | POLY BAG      |              |
| 7         | LC10722-002A-U | CUSHION ASSY  | 4pcs in 1set |
| 8         | AEM1002-068-E  | PACKING CASE  |              |
| 9         | AEM1039-072-E  | EURO LABEL    |              |
| 14        | AEM3148-001-E  | REG. CARD     |              |

### AV-28WFT1EK

| △ Ref.No. | Part No.       | Part Name     | Description  |
|-----------|----------------|---------------|--------------|
| 1         | RM-C51-1C      | REMOCON UNIT  |              |
| △ 2       | LCT0622-001A-U | INST BOOK     |              |
| 3         | BT-54013-1E    | WARRANTY CARD |              |
| 5         | AEM3021-001-E  | POLY BAG      |              |
| 6         | AEM1047-002-E  | POLY BAG      |              |
| 7         | LC10722-002A-U | CUSHION ASSY  | 4pcs in 1set |
| 8         | AEM1002-068-E  | PACKING CASE  |              |
| 9         | AEM1039-080-E  | EURO LABEL    |              |
| 14        | AEM3148-001-E  | REG. CARD     |              |

AV-32WFT1EPG  
AV-32WFT1EPS  
AV-32WFT1EKS

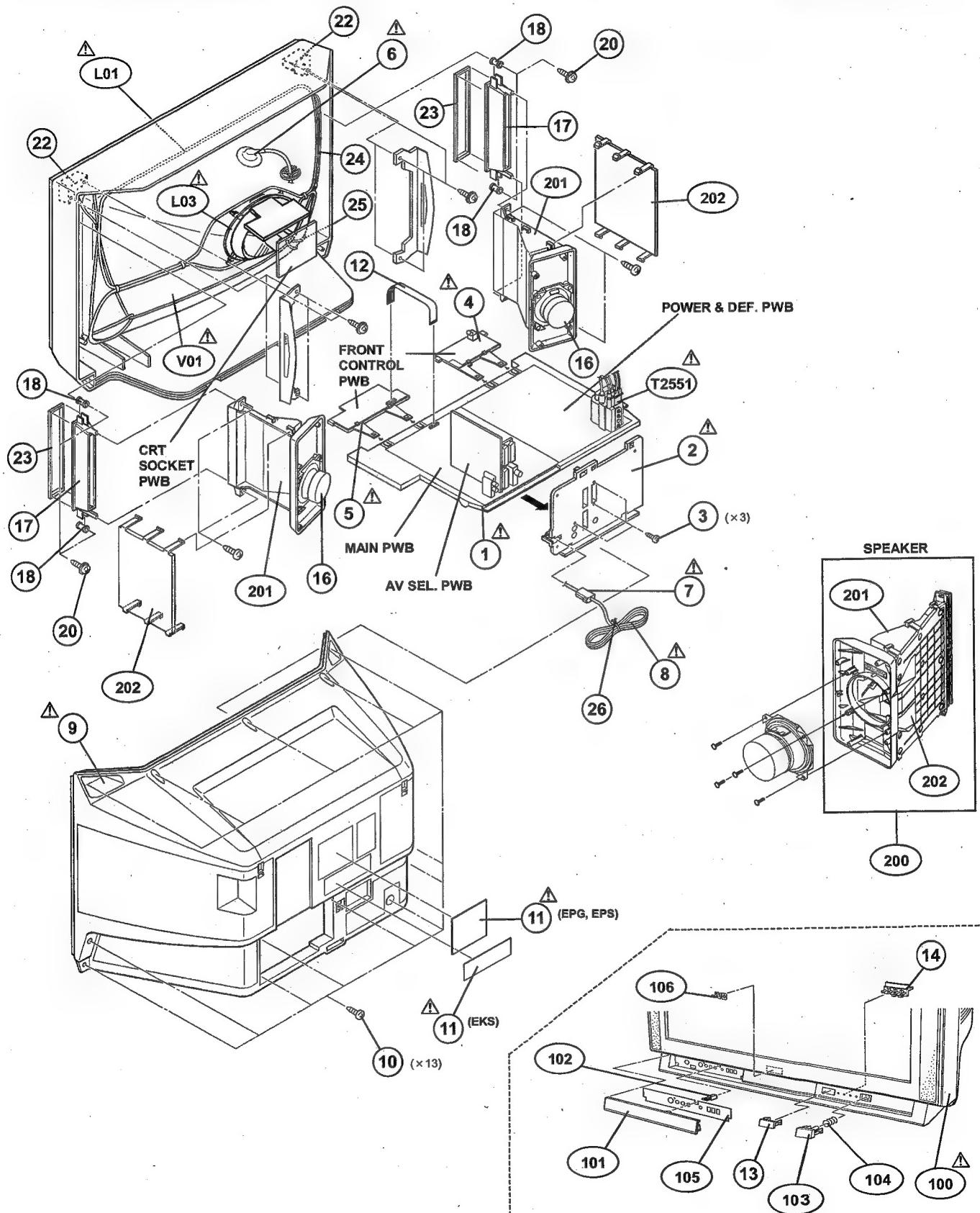
## AV-32WFT1EPG / AV-32WFT1EPS / AV-32WFT1EKS

### EXPLODED VIEW PARTS LIST

| △ Ref. No. | Part No.       | Part Name        | Description                         |
|------------|----------------|------------------|-------------------------------------|
| △ V01      | W76ERF031X013  | CRT (ITC)        |                                     |
| △ L01      | QQW0066-001    | DEG COIL         |                                     |
| △ L03      | CELD904-001    | ROTATION COIL    |                                     |
| △ T2551    | QQH0065-002-I2 | FBT              | (SERVICE) Within POWER DEF PWB      |
| △ 1        | LC10716-002D-U | CHASSIS BASE     |                                     |
| △ 2        | LC10717-003C-U | AV BOARD         |                                     |
| △ 3        | QYSBSB3012M    | TAPPING SCREW    | (×3) For AV BOARD                   |
| △ 4        | LC10380-001C-U | CONTROL BASE L   |                                     |
| △ 5        | LC10380-002B-U | CONTROL BASE R   |                                     |
| △ 6        | QNZ0407-001    | ANODE WIRE       |                                     |
| △ 7        | CM46618-A01-E  | POWER CORD CLAMP |                                     |
| △ 8        | QMPK160-185-JC | POWER CORD       | [AV-32WFT1EPG/EPS]                  |
| △ 8        | QMPN130-185-JC | POWER CORD       | [AV-32WFT1EKS]                      |
| △ 9        | LC10378-001D-U | REAR COVER       | [AV-32WFT1EPG]                      |
| △ 9        | LC10378-003A-U | REAR COVER       | [AV-32WFT1EPS/EKS]                  |
| 10         | QYSBSAG4016N   | TAPPING SCREW    | (×13)                               |
| △ 11       | LC20542-001A-U | RATING LABEL     | [AV-32WFT1EPG]                      |
| △ 11       | LC20542-002A-U | RATING LABEL     | [AV-32WFT1EPS]                      |
| △ 11       | LC20091-011A-U | RATING LABEL     | [AV-32WFT1EKS]                      |
| 12         | CHFD125-18BD-N | FFC WIRE         |                                     |
| 13         | LC30579-001B-C | REMOCON WINDOW   |                                     |
| 14         | LC30580-001B-C | L. E. D. LENS    |                                     |
| 16         | CEBSF10P-02KJ6 | SPEAKER          | (×2) SP01, SP02                     |
| 17         | LC10379-001A-U | HORN ADAPTER     | (×2)                                |
| 18         | LC40226-001A   | SPACER           | (×4)                                |
| 20         | LC40506-001A   | TAP SCREW        | (×4) For HORN ADAPTER               |
| 22         | LC20508-001D-U | ADAPTER          | (×4)                                |
| 23         | LC30820-001C   | STICK SHEET      | (×2)                                |
| 24         | CHGB0029-0C    | BRAIDED ASSY     |                                     |
| 25         | CHGB0017-0B    | BRAIDED SUB ASSY | (×2)                                |
| 26         | CM48170-001    | BEAD TIE         |                                     |
| △ 100      | LC10376-003B-U | FRONT CABL. ASSY | [AV-32WFT1EPG] Inc. No. 101~106     |
| △ 100      | LC10376-008A-U | FRONT CABL. ASSY | [AV-32WFT1EPS/EKS] Inc. No. 101~106 |
| 101        | LC20265-003A-U | DOOR             | [AV-32WFT1EPG] (SERVICE)            |
| 101        | LC20265-010A-U | DOOR             | [AV-32WFT1EPS/EKS] (SERVICE)        |
| 102        | CM48229-00A    | DOOR LATCH       |                                     |
| 103        | LC30578-002A-C | POWER KNOB       | [AV-32WFT1EPG] (SERVICE)            |
| 103        | LC30578-006A-C | POWER KNOB       | [AV-32WFT1EPS/EKS] (SERVICE)        |
| 104        | CM35235-003-H  | SPRING           |                                     |
| 105        | LC30597-002A-U | CONTROL SHEET    | [AV-32WFT1EPG]                      |
| 105        | LC30597-006A-U | CONTROL SHEET    | [AV-32WFT1EPS/EKS]                  |
| 106        | LC40354-001C-C | JVC MARK         |                                     |
| 200        | 2528MXSP-2SE   | DOME SPK BOX     | (×2) Inc. No. 201~202               |
| 201        | CM12463-D01-E  | HORN             | (×2)                                |
| 202        | CM12464-D01-E  | HORN PANEL       | (×2)                                |

## AV-32WFT1EPG / AV-32WFT1EPS / AV-32WFT1EKS

### EXPLODED VIEW



# AV-32WFT1EPG / AV-32WFT1EPS

## PRINTED WIRING BOARD PARTS LIST

### MAIN PW BOARD ASS'Y (SJK-1701A-U2)

△ Symbol No. Part No. Part Name Description

#### RESISTOR

|          |               |      |               |
|----------|---------------|------|---------------|
| R1001-06 | NRSA02J-102X  | MG R | 1kΩ 1/10W J   |
| R1007    | NRSA02J-104X  | MG R | 100kΩ 1/10W J |
| R1008    | NRSA02J-0R0X  | MG R | 0.0Ω 1/10W J  |
| R1301    | NRSA02J-103X  | MG R | 10kΩ 1/10W J  |
| R1302    | NRSA02J-183X  | MG R | 18kΩ 1/10W J  |
| R1303    | NRSA02J-153X  | MG R | 15kΩ 1/10W J  |
| R1304    | QRG01GJ-121   | DM R | 120Ω 1W J     |
| R1305    | NRSA02J-562X  | MG R | 5.6kΩ 1/10W J |
| R1306    | NRSA02J-222X  | MG R | 2.2kΩ 1/10W J |
| R1307-08 | NRSA02J-102X  | MG R | 1kΩ 1/10W J   |
| R1309    | NRSA02J-222X  | MG R | 2.2kΩ 1/10W J |
| R1310-11 | NRSA02J-391X  | MG R | 390Ω 1/10W J  |
| R1312-13 | NRSA02J-101X  | MG R | 100Ω 1/10W J  |
| R1314    | NRSA02J-562X  | MG R | 5.6kΩ 1/10W J |
| R1316    | NRSA02J-224X  | MG R | 220kΩ 1/10W J |
| R1317    | NRSA02J-101X  | MG R | 100Ω 1/10W J  |
| R1318-21 | NRSA02J-102X  | MG R | 1kΩ 1/10W J   |
| R1327    | NRSA02J-471X  | MG R | 470Ω 1/10W J  |
| R1328-29 | NRSA02J-102X  | MG R | 1kΩ 1/10W J   |
| R1330    | NRSA02J-472X  | MG R | 4.7kΩ 1/10W J |
| R1331    | NRSA02J-333X  | MG R | 33kΩ 1/10W J  |
| R1332-33 | NRSA02J-222X  | MG R | 2.2kΩ 1/10W J |
| R1335    | NRSA02J-273X  | MG R | 27kΩ 1/10W J  |
| R1336    | NRSA02J-103X  | MG R | 10kΩ 1/10W J  |
| R1337    | NRSA02J-102X  | MG R | 1kΩ 1/10W J   |
| R1338    | NRSA02J-562X  | MG R | 5.6kΩ 1/10W J |
| R1339    | NRSA02J-102X  | MG R | 1kΩ 1/10W J   |
| R1340-41 | NRSA02J-333X  | MG R | 33kΩ 1/10W J  |
| R1342    | NRSA02J-152X  | MG R | 1.5kΩ 1/10W J |
| R1343    | NRSA02J-272X  | MG R | 2.7kΩ 1/10W J |
| R1344    | NRSA02J-471X  | MG R | 470Ω 1/10W J  |
| R1345    | NRSA02J-102X  | MG R | 1kΩ 1/10W J   |
| R1346    | NRSA02J-223X  | MG R | 22kΩ 1/10W J  |
| R1401-02 | NRSA02J-103X  | MG R | 10kΩ 1/10W J  |
| R1403    | NRSA02J-102X  | MG R | 1kΩ 1/10W J   |
| R1404    | NRSA02J-183X  | MG R | 18kΩ 1/10W J  |
| R1405    | NRSA02J-223X  | MG R | 22kΩ 1/10W J  |
| R1409    | NRSA02J-0R0X  | MG R | 0.0Ω 1/10W J  |
| R1411    | NRAVA02D-473X | MF R | 47kΩ 1/10W D  |
| R1413    | NRAVA02D-223X | MF R | 22kΩ 1/10W D  |
| R1414    | NRAVA02D-101X | MF R | 100Ω 1/10W D  |
| R1415    | NRSA02J-562X  | MG R | 5.6kΩ 1/10W J |
| R1416    | NRSA02J-101X  | MG R | 100Ω 1/10W J  |
| R1417    | NRSA02J-223X  | MG R | 22kΩ 1/10W J  |
| R1418    | NRSA02J-682X  | MG R | 6.8kΩ 1/10W J |
| R1419    | NRSA02J-562X  | MG R | 5.6kΩ 1/10W J |
| R1420    | NRSA02J-123X  | MG R | 12kΩ 1/10W J  |
| R1501    | NRSA02J-621X  | MG R | 620Ω 1/10W J  |
| R1502    | NRSA02J-103X  | MG R | 10kΩ 1/10W J  |
| R1503    | NRSA02J-104X  | MG R | 100kΩ 1/10W J |
| R1504    | NRSA02J-103X  | MG R | 10kΩ 1/10W J  |
| R1505-06 | NRSA02J-221X  | MG R | 220Ω 1/10W J  |
| R1507    | NRSA02J-102X  | MG R | 1kΩ 1/10W J   |
| R1508-09 | NRSA02J-223X  | MG R | 22kΩ 1/10W J  |
| R1511    | NRSA02J-0R0X  | MG R | 0.0Ω 1/10W J  |
| R1514    | NRSA02J-472X  | MG R | 4.7kΩ 1/10W J |
| R1516    | NRSA02J-222X  | MG R | 2.2kΩ 1/10W J |
| R1517    | NRSA02J-472X  | MG R | 4.7kΩ 1/10W J |
| R1518    | NRSA02J-682X  | MG R | 6.8kΩ 1/10W J |
| R1519    | NRSA02J-562X  | MG R | 5.6kΩ 1/10W J |
| R1520    | NRSA02J-152X  | MG R | 1.5kΩ 1/10W J |
| R1551    | QRE121J-100Y  | C R  | 10Ω 1/2W J    |
| R1552    | NRSA02J-124X  | MG R | 120kΩ 1/10W J |

△ Symbol No. Part No. Part Name Description

#### RESISTOR

|          |              |      |               |
|----------|--------------|------|---------------|
| R1553    | NRSA02J-683X | MG R | 68kΩ 1/10W J  |
| R1554    | NRSA02J-333X | MG R | 33kΩ 1/10W J  |
| R1555    | NRSA02J-472X | MG R | 4.7kΩ 1/10W J |
| R1556    | NRSA02J-154X | MG R | 150kΩ 1/10W J |
| R1557-58 | NRSA02J-562X | MG R | 5.6kΩ 1/10W J |
| R1559    | NRSA02J-0R0X | MG R | 0.0Ω 1/10W J  |
| R1560    | NRSA02J-104X | MG R | 100kΩ 1/10W J |
| R1561    | QRE121J-100Y | C R  | 10Ω 1/2W J    |
| R1571    | NRSA02J-101X | MG R | 100Ω 1/10W J  |
| R1572    | NRSA02J-133X | MG R | 13kΩ 1/10W J  |
| R1573    | NRSA02J-821X | MG R | 820Ω 1/10W J  |
| R1602    | NRSA02J-104X | MG R | 100kΩ 1/10W J |
| R1604    | NRSA02J-393X | MG R | 39kΩ 1/10W J  |
| R1605    | NRSA02J-681X | MG R | 680Ω 1/10W J  |
| R1606    | NRSA02J-393X | MG R | 39kΩ 1/10W J  |
| R1607    | NRSA02J-681X | MG R | 680Ω 1/10W J  |
| R1608-09 | NRSA02J-223X | MG R | 22kΩ 1/10W J  |
| R1610-11 | NRSA02J-822X | MG R | 8.2kΩ 1/10W J |
| R1633    | NRSA02J-273X | MG R | 27kΩ 1/10W J  |
| R1638    | NRSA02J-473X | MG R | 47kΩ 1/10W J  |
| R1648    | NRSA02J-104X | MG R | 100kΩ 1/10W J |
| R1649    | NRSA02J-682X | MG R | 6.8kΩ 1/10W J |
| R1650    | NRSA02J-104X | C R  | 100kΩ 1/10W J |
| R1660    | QRK126J-2R2X | C R  | 2.2Ω 1/2W J   |
| R1661    | NRSA02J-103X | MG R | 10kΩ 1/10W J  |
| R1663    | NRSA02J-561X | MG R | 560Ω 1/10W J  |
| R1664    | NRSA02J-562X | MG R | 5.6kΩ 1/10W J |
| R1683    | QRK126J-2R2X | C R  | 2.2Ω 1/2W J   |
| R1689    | NRSA02J-473X | MG R | 47kΩ 1/10W J  |
| R1690    | QRG01GJ-270  | OH R | 27Ω 1W J      |
| R1701    | NRSA02J-221X | MG R | 220Ω 1/10W J  |
| R1702    | NRSA02J-822X | MG R | 8.2kΩ 1/10W J |
| R1703    | NRSA02J-273X | MG R | 27kΩ 1/10W J  |
| R1704    | NRSA02J-473X | MG R | 47kΩ 1/10W J  |
| R1705    | NRSA02J-102X | MG R | 1kΩ 1/10W J   |
| R1706    | NRSA02J-223X | MG R | 22kΩ 1/10W J  |
| R1707-12 | NRSA02J-103X | MG R | 10kΩ 1/10W J  |
| R1713-14 | NRSA02J-102X | MG R | 1kΩ 1/10W J   |
| R1716    | NRSA02J-102X | MG R | 1kΩ 1/10W J   |
| R1717    | NRSA02J-104X | MG R | 100kΩ 1/10W J |
| R1718-19 | NRSA02J-682X | MG R | 6.8kΩ 1/10W J |
| R1720    | NRSA02J-472X | MG R | 4.7kΩ 1/10W J |
| R1721    | NRSA02J-103X | MG R | 10kΩ 1/10W J  |
| R1722    | NRSA02J-472X | MG R | 4.7kΩ 1/10W J |
| R1723    | NRSA02J-102X | MG R | 1kΩ 1/10W J   |
| R1724-28 | NRSA02J-472X | MG R | 4.7kΩ 1/10W J |
| R1729-31 | NRSA02J-221X | MG R | 220Ω 1/10W J  |
| R1732    | NRSA02J-562X | MG R | 5.6kΩ 1/10W J |
| R1733    | NRSA02J-103X | MG R | 10kΩ 1/10W J  |
| R1734    | NRSA02J-223X | MG R | 22kΩ 1/10W J  |
| R1736-39 | NRSA02J-103X | MG R | 10kΩ 1/10W J  |
| R1740    | NRSA02J-331X | MG R | 330Ω 1/10W J  |
| R1741-44 | NRSA02J-102X | MG R | 1kΩ 1/10W J   |
| R1745-47 | NRSA02J-472X | MG R | 4.7kΩ 1/10W J |
| R1748-52 | NRSA02J-221X | MG R | 220Ω 1/10W J  |
| R1753    | NRSA02J-102X | MG R | 1kΩ 1/10W J   |
| R1754    | NRSA02J-683X | MG R | 68kΩ 1/10W J  |
| R1755    | NRSA02J-102X | MG R | 1kΩ 1/10W J   |
| R1756    | NRSA02J-103X | MG R | 10kΩ 1/10W J  |
| R1758    | NRSA02J-103X | MG R | 10kΩ 1/10W J  |
| R1759    | NRSA02J-472X | MG R | 4.7kΩ 1/10W J |
| R1760    | NRSA02J-103X | MG R | 10kΩ 1/10W J  |
| R1762-63 | NRSA02J-103X | MG R | 10kΩ 1/10W J  |

| △ Symbol No.     | Part No.     | Part Name | Description   | △ Symbol No. | Part No.     | Part Name | Description   |
|------------------|--------------|-----------|---------------|--------------|--------------|-----------|---------------|
| <b>RESISTOR</b>  |              |           |               |              |              |           |               |
| R1764-66         | NRSA02J-221X | MG R      | 220Ω 1/10W J  | C1313        | QETN1CM-107Z | E CAP.    | 100pF 16V M   |
| R1767            | NRSA02J-103X | MG R      | 10kΩ 1/10W J  | C1314        | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |
| R1770            | NRSA02J-272X | MG R      | 2.7kΩ 1/10W J | C1315        | QETN1HM-106Z | E CAP.    | 10μF 50V M    |
| R1771-73         | NRSA02J-222X | MG R      | 2.2kΩ 1/10W J | C1319        | QETN1CM-107Z | E CAP.    | 100μF 16V M   |
| R1774-75         | NRSA02J-393X | MG R      | 39kΩ 1/10W J  | C1320        | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |
| R1777-79         | NRSA02J-222X | MG R      | 2.2kΩ 1/10W J | C1321-23     | NCB21EK-104X | C CAP.    | 0.1μF 25V K   |
| R1780            | NRSA02J-102X | MG R      | 1kΩ 1/10W J   | C1324-26     | QETN1HM-105Z | E CAP.    | 1μF 50V M     |
| R1784            | NRSA02J-473X | MG R      | 47kΩ 1/10W J  | C1327        | QETN1HM-475Z | E CAP.    | 4.7μF 50V M   |
| R1785            | NRSA02J-223X | MG R      | 22kΩ 1/10W J  | C1328        | QETN1CM-107Z | E CAP.    | 100μF 16V M   |
| R1786            | NRSA02J-473X | MG R      | 47kΩ 1/10W J  | C1329        | QETN1EM-476Z | E CAP.    | 47μF 25V M    |
| R1787            | NRSA02J-332X | MG R      | 3.3kΩ 1/10W J | C1331        | QETN1HM-105Z | E CAP.    | 1μF 50V M     |
| R1788            | NRSA02J-272X | MG R      | 2.7kΩ 1/10W J | C1332        | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |
| R1789            | NRSA02J-473X | MG R      | 47kΩ 1/10W J  | C1333        | NCB21EK-104X | C CAP.    | 0.1μF 25V K   |
| R1790            | NRSA02J-682X | MG R      | 6.8kΩ 1/10W J | C1401        | QETN1HM-105Z | E CAP.    | 1μF 50V M     |
| R1801-02         | NRSA02J-103X | MG R      | 10kΩ 1/10W J  | C1403-05     | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |
| R1804            | NRSA02J-473X | MG R      | 47kΩ 1/10W J  | C1406        | QFV71HJ-184Z | MF CAP.   | 0.18μF 50V J  |
| R1805            | NRSA02J-333X | MG R      | 33kΩ 1/10W J  | C1407        | QFV71HJ-564Z | MF CAP.   | 0.56μF 50V J  |
| R1834            | NRSA02J-473X | MG R      | 47kΩ 1/10W J  | C1408        | NCB21HK-153X | C CAP.    | 0.015μF 50V K |
| R1835            | NRSA02J-152X | MG R      | 1.5kΩ 1/10W J | C1501        | QETN1CM-107Z | E CAP.    | 100μF 16V M   |
| R1837            | NRSA02J-102X | MG R      | 1kΩ 1/10W J   | C1502-04     | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |
| R1838            | NRSA02J-393X | MG R      | 39kΩ 1/10W J  | C1505        | NCB21HK-822X | C CAP.    | 8200μF 50V K  |
| R1839            | NRSA02J-332X | MG R      | 3.3kΩ 1/10W J | C1506        | QETN1HM-105Z | E CAP.    | 1μF 50V M     |
| R1840            | NRSA02J-152X | MG R      | 1.5kΩ 1/10W J | C1507        | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |
| R1841            | NRSA02J-331X | MG R      | 330Ω 1/10W J  | C1508        | QETN1CM-108Z | E CAP.    | 1000μF 16V M  |
| R1842            | NRSA02J-222X | MG R      | 2.2kΩ 1/10W J | C1509        | NCB21HK-823X | CHIP CAP. | 0.082μF 50V K |
| R1843            | NRSA02J-332X | MG R      | 3.3kΩ 1/10W J | C1510-11     | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |
| R1844            | NRSA02J-392X | MG R      | 3.9kΩ 1/10W J | C1512        | QTMN1HM-105Z | E CAP.    | 0.1μF 50V M   |
| R1845            | NRSA02J-272X | MG R      | 2.7kΩ 1/10W J | C1513        | QETN1CM-228Z | E CAP.    | 2200μF 16V M  |
| R1846            | NRSA02J-103X | MG R      | 10kΩ 1/10W J  | C1514        | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |
| R1847-48         | NRSA02J-472X | MG R      | 4.7kΩ 1/10W J | C1515        | QFV71HJ-394Z | MF CAP.   | 0.39μF 50V J  |
| R1849            | NRSA02J-823X | MG R      | 82kΩ 1/10W J  | C1516        | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |
| R1850-56         | NRSA02J-102X | MG R      | 1kΩ 1/10W J   | C1551-52     | NCB21EK-224X | CHIP CAP. | 0.22μF 25V K  |
| R1857            | NRSA02J-472X | MG R      | 4.7kΩ 1/10W J | C1553        | QETN1EM-476Z | E CAP.    | 47μF 25V M    |
| R1858            | NRSA02J-223X | MG R      | 22kΩ 1/10W J  | C1554-55     | NCB21EK-224X | CHIP CAP. | 0.22μF 25V K  |
| R1859            | NRSA02J-823X | MG R      | 82kΩ 1/10W J  | C1571        | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |
| R1871            | NRSA02J-102X | MG R      | 1kΩ 1/10W J   | C1601-02     | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |
| R1872-73         | NRSA02J-222X | MG R      | 2.2kΩ 1/10W J | C1603-04     | NCF21CZ-105X | C CAP.    | 1μF 16V Z     |
| R1874            | NRSA02J-272X | MG R      | 2.7kΩ 1/10W J | C1606        | NRSA02J-0R0X | MG R      | 0.0Ω 1/10W J  |
| R1875            | NRSA02J-104X | MG R      | 100kΩ 1/10W J | C1622-23     | QETN1CM-227Z | E CAP.    | 220μF 16V M   |
| R1876            | NRSA02J-102X | MG R      | 1kΩ 1/10W J   | C1625        | QETN1HM-105Z | E CAP.    | 1μF 50V M     |
| R1877            | NRSA02J-393X | MG R      | 39kΩ 1/10W J  | C1635        | QETN1HM-105Z | E CAP.    | 1μF 50V M     |
| R1878-80         | NRSA02J-152X | MG R      | 1.5kΩ 1/10W J | C1636        | QETN1HM-107Z | E CAP.    | 100μF 50V M   |
| R1881-82         | NRSA02J-331X | MG R      | 330Ω 1/10W J  | C1637        | QETN1HM-106Z | E CAP.    | 10μF 50V M    |
| R1883            | NRSA02J-102X | MG R      | 1kΩ 1/10W J   | C1638-39     | NCF21HZ-224X | C CAP.    | 0.22μF 50V Z  |
| R1884            | NRSA02J-331X | MG R      | 330Ω 1/10W J  | C1653        | NCF21HZ-224X | C CAP.    | 0.22μF 50V Z  |
| <b>CAPACITOR</b> |              |           |               |              |              |           |               |
| C1001            | NCB21HK-222X | C CAP.    | 2200pF 50V K  | C1668        | NCB21EK-104X | C CAP.    | 0.1μF 25V K   |
| C1003            | NCB21EK-104X | C CAP.    | 0.1μF 25V K   | C1671        | QETN1CM-107Z | E CAP.    | 100μF 16V M   |
| C1004            | QETN1CM-108Z | E CAP.    | 1000pF 16V M  | C1672        | NCB21EK-104X | C CAP.    | 0.1μF 25V K   |
| C1005            | QETN1CM-107Z | E CAP.    | 100μF 16V M   | C1701        | NCF21CZ-105X | C CAP.    | 1μF 16V Z     |
| C1006            | QETN1HM-106Z | E CAP.    | 10pF 50V M    | C1703        | QETN1EM-476Z | E CAP.    | 47μF 25V M    |
| C1007            | NCB21EK-104X | C CAP.    | 0.1μF 25V K   | C1704        | NCB21EK-104X | C CAP.    | 0.1μF 25V K   |
| C1008            | QETN1HM-106Z | E CAP.    | 10pF 50V M    | C1705        | QETN1AM-107Z | E CAP.    | 100μF 10V M   |
| C1009            | NCB21EK-104X | C CAP.    | 0.1μF 25V K   | C1706        | NCB21EK-104X | C CAP.    | 0.1μF 25V K   |
| C1010            | QETN1CM-107Z | E CAP.    | 100μF 16V M   | C1707        | QETN1HM-474Z | E CAP.    | 0.47μF 50V M  |
| C1301            | NCB21EK-104X | C CAP.    | 0.1μF 25V K   | C1708        | QETN1EM-476Z | E CAP.    | 47μF 25V M    |
| C1302            | NCB21HK-823X | CHIP CAP. | 0.082μF 50V K | C1709-10     | NDC21HJ-9R0X | C CAP.    | 9.0pF 50V J   |
| C1303            | QETN1EM-476Z | E CAP.    | 47μF 25V M    | C1711        | NCB21EK-104X | C CAP.    | 0.1μF 25V K   |
| C1304            | NCB21HK-103X | C CAP.    | 0.01μF 50V K  | C1712        | NDC21HJ-151X | C CAP.    | 150pF 50V J   |
| C1305            | QETN1CM-107Z | E CAP.    | 100μF 16V M   | C1713        | QETN1HM-105Z | E CAP.    | 1μF 50V M     |
| C1306            | NCB21HK-103X | C CAP.    | 0.01μF 50V K  | C1714        | NDC21HJ-561X | C CAP.    | 560pF 50V J   |
| C1307            | QETN1CM-477Z | E CAP.    | 470pF 16V M   | C1716-17     | QETN1HM-105Z | E CAP.    | 1μF 50V M     |
| C1308            | NDC21HJ-120X | C CAP.    | 12pF 50V J    | C1718        | NCB21HK-333X | C CAP.    | 0.033μF 50V K |
| C1309            | QETN1HM-475Z | E CAP.    | 4.7μF 50V M   | C1725        | NCB21HK-102X | C CAP.    | 1000pF 50V K  |
| C1310            | NCB21HK-103X | C CAP.    | 0.01μF 50V K  | C1726        | NDC21HJ-391X | C CAP.    | 390pF 50V J   |
| C1311            | QETN1HM-106Z | E CAP.    | 10μF 50V M    | C1831-32     | QETN1EM-476Z | E CAP.    | 47μF 25V M    |
| C1312            | NDC21HJ-680X | C CAP.    | 68pF 50V J    | C1833        | NCB21HK-221X | C CAP.    | 220pF 50V J   |
|                  |              |           |               | C1834        | NCB21EK-104X | C CAP.    | 0.1μF 25V K   |

| Symbol No.        | Part No.        | Part Name        | Description   |   | Symbol No. | Part No.        | Part Name       | Description |
|-------------------|-----------------|------------------|---------------|---|------------|-----------------|-----------------|-------------|
| <b>CAPACITOR</b>  |                 |                  |               |   |            |                 |                 |             |
| C1835             | NDC21HJ-220X    | C CAP.           | 22pF 50V J    |   | Q1832-33   | 2SC2412K/QR/-X  | SI. TRANSISTOR  |             |
| C1836-38          | NCB21EK-104X    | C CAP.           | 0.1pF 25V K   |   | Q1834      | 2SA1037AK/QR/-X | SI. TRANSISTOR  |             |
| C1839             | QETN1HM-106Z    | E CAP.           | 10pF 50V M    |   | Q1835-37   | 2SC2412K/QR/-X  | SI. TRANSISTOR  |             |
| C1871             | NCB21EK-104X    | C CAP.           | 0.1pF 25V K   |   | Q1871      | 2SA1037AK/QR/-X | SI. TRANSISTOR  |             |
| C1872             | NCB21HK-223X    | C CAP.           | 0.022pF 50V K |   | Q1872      | 2SC2412K/QR/-X  | SI. TRANSISTOR  |             |
| C1873             | NDC21HJ-221X    | C CAP.           | 220pF 50V J   |   |            |                 |                 |             |
| C1874-75          | NDC21HJ-150X    | C CAP.           | 15pF 50V J    |   |            |                 |                 |             |
| C1876             | NCB21HK-102X    | C CAP.           | 1000pF 50V K  |   |            |                 |                 |             |
| C1877             | NCB21EK-104X    | C CAP.           | 0.1pF 25V K   |   |            |                 |                 |             |
| C1878             | NCB21HK-102X    | C CAP.           | 1000pF 50V K  |   |            |                 |                 |             |
| C1879             | NDL21HJ-180X    | C CAP.           | 18pF 50V J    |   |            |                 |                 |             |
| C1880             | QETN1AM-477Z    | E CAP.           | 470pF 10V M   |   |            |                 |                 |             |
| C1881             | NCB21EK-104X    | C CAP.           | 0.1pF 25V K   |   |            |                 |                 |             |
| C1882             | QETN1EM-476Z    | E CAP.           | 47pF 25V M    |   |            |                 |                 |             |
| C1883             | NCB21HK-103X    | C CAP.           | 0.01pF 50V K  |   |            |                 |                 |             |
| C1885             | NCB21EK-104X    | C CAP.           | 0.1pF 25V K   |   |            |                 |                 |             |
| C1886             | NCB21HK-103X    | C CAP.           | 0.01pF 50V K  |   |            |                 |                 |             |
| C1887-89          | QETN1HM-106Z    | E CAP.           | 10pF 50V M    |   |            |                 |                 |             |
| <b>COIL</b>       |                 |                  |               |   |            |                 |                 |             |
| L1001             | QQL01BK-5R6Z    | PEAKING COIL     | 5.6μH         |   | IC1301     | TB1227CN        | I.C.            |             |
| L1002             | QQL01BK-270Z    | PEAKING COIL     | 27μH          |   | IC1302     | TC4053BP/N      | I.C. (DIGI-MOS) |             |
| L1301-02          | QQL01BK-4R7Z    | PEAKING COIL     | 4.7μH         |   | IC1501     | AN5441SA-W      | I.C.            |             |
| L1305             | QQL244K-4R7Z    | PEAKING COIL     | 4.7μH         |   | IC1551     | LA6515          | I.C. (MONO-ANA) |             |
| L1501             | QQL244J-151Z    | PEAKING COIL     | 150μH         |   | IC1601     | TA8246AH        | I.C. (HYBRID)   |             |
| L1701             | QQL01BK-4R7Z    | PEAKING COIL     | 4.7μH         |   | IC1607     | TA78L005AP-T    | I.C. (H)        |             |
| L1702             | QQL01BK-3R9Z    | PEAKING COIL     | 3.9μH         |   | IC1701     | M37280MK-104SP  | I.C.            |             |
| L1871             | QQL01BK-4R7Z    | PEAKING COIL     | 4.7μH         |   | IC1702     | AT24C16-32WFT1  | I.C. (SERVICE)  |             |
| <b>DIODE</b>      |                 |                  |               |   |            |                 |                 |             |
| D1301             | MA3051/M/-X     | ZENER DIODE      |               |   | IC1703     | L78LR05E-MA     | I.C. (MONO-ANA) |             |
| D1302-04          | MA111-X         | SI. DIODE        |               |   | IC1704     | JLC1562BF-X     | I.C. (DIGI-MOS) |             |
| D1503             | RB100A-T2       | SI. DIODE        |               |   | IC1831     | JCC5035         | I.C. (DIGI-MOS) |             |
| D1602             | MA111-X         | SI. DIODE        |               |   | IC1832     | MN1382/Q/-X     | I.C. (MONO-ANA) |             |
| D1608-10          | MA111-X         | SI. DIODE        |               |   | IC1871     | ET417           | I.C. (H)        |             |
| D1612-13          | MA111-X         | SI. DIODE        |               |   | IC1872     | ET206           | I.C. (M)        |             |
| D1617-18          | MA3330/L/-X     | ZENER DIODE      |               |   |            |                 |                 |             |
| D1624-25          | MA111-X         | SI. DIODE        |               |   |            |                 |                 |             |
| D1701             | MA3068/M/-X     | ZENER DIODE      |               |   |            |                 |                 |             |
| D1702             | MA111-X         | SI. DIODE        |               |   |            |                 |                 |             |
| D1704             | MA111-X         | SI. DIODE        |               |   |            |                 |                 |             |
| D1705             | MA3036-X        | ZENER DIODE      |               |   |            |                 |                 |             |
| D1706-08          | MA111-X         | SI. DIODE        |               |   |            |                 |                 |             |
| D1710             | MA111-X         | SI. DIODE        |               |   |            |                 |                 |             |
| D1831             | MA3051/M/-X     | ZENER DIODE      |               |   |            |                 |                 |             |
| <b>TRANSISTOR</b> |                 |                  |               |   |            |                 |                 |             |
| Q1301-02          | 2SA1037AK/QR/-X | SI. TRANSISTOR   |               |   |            |                 |                 |             |
| Q1309             | 2SC2412K/QR/-X  | SI. TRANSISTOR   |               |   |            |                 |                 |             |
| Q1310             | 2SA1037AK/QR/-X | SI. TRANSISTOR   |               |   |            |                 |                 |             |
| Q1311             | DTC124EKA-X     | DIGI. TRANSISTOR |               |   |            |                 |                 |             |
| Q1312             | 2SA1037AK/QR/-X | SI. TRANSISTOR   |               |   |            |                 |                 |             |
| Q1401             | DTC124EKA-X     | DIGI. TRANSISTOR |               |   |            |                 |                 |             |
| Q1402             | 2SC2412K/QR/-X  | SI. TRANSISTOR   |               |   |            |                 |                 |             |
| Q1601             | 2SA1037AK/QR/-X | SI. TRANSISTOR   |               |   |            |                 |                 |             |
| Q1602-03          | DTC323TK-X      | DIGI. TRANSISTOR |               |   |            |                 |                 |             |
| Q1604             | 2SA1037AK/QR/-X | SI. TRANSISTOR   |               |   |            |                 |                 |             |
| Q1609             | 2SA1037AK/QR/-X | SI. TRANSISTOR   |               |   |            |                 |                 |             |
| Q1610             | DTC323TK-X      | DIGI. TRANSISTOR |               |   |            |                 |                 |             |
| Q1612             | DTC323TK-X      | DIGI. TRANSISTOR |               |   |            |                 |                 |             |
| Q1613             | 2SA1037AK/QR/-X | SI. TRANSISTOR   |               |   |            |                 |                 |             |
| Q1614             | 2SC2412K/QR/-X  | SI. TRANSISTOR   |               |   |            |                 |                 |             |
| Q1701-04          | 2SC2412K/QR/-X  | SI. TRANSISTOR   |               |   |            |                 |                 |             |
| Q1705-06          | 2SA1037AK/QR/-X | SI. TRANSISTOR   |               |   |            |                 |                 |             |
| Q1707             | 2SC2412K/QR/-X  | SI. TRANSISTOR   |               |   |            |                 |                 |             |
| Q1708             | 2SA1037AK/QR/-X | SI. TRANSISTOR   |               |   |            |                 |                 |             |
| Q1709-10          | 2SC2412K/QR/-X  | SI. TRANSISTOR   |               |   |            |                 |                 |             |
| <b>TRANSISTOR</b> |                 |                  |               |   |            |                 |                 |             |
| IC1301            | TB1227CN        | I.C.             |               |   |            |                 |                 |             |
| IC1302            | TC4053BP/N      | I.C. (DIGI-MOS)  |               |   |            |                 |                 |             |
| IC1501            | AN5441SA-W      | I.C.             |               |   |            |                 |                 |             |
| IC1551            | LA6515          | I.C. (MONO-ANA)  |               |   |            |                 |                 |             |
| IC1601            | TA8246AH        | I.C. (HYBRID)    |               |   |            |                 |                 |             |
| IC1607            | TA78L005AP-T    | I.C. (H)         |               |   |            |                 |                 |             |
| IC1701            | M37280MK-104SP  | I.C.             |               |   |            |                 |                 |             |
| IC1702            | AT24C16-32WFT1  | I.C. (SERVICE)   |               |   |            |                 |                 |             |
| <b>IC</b>         |                 |                  |               |   |            |                 |                 |             |
| IC1301            | TB1227CN        | I.C.             |               |   |            |                 |                 |             |
| IC1302            | TC4053BP/N      | I.C. (DIGI-MOS)  |               |   |            |                 |                 |             |
| IC1501            | AN5441SA-W      | I.C.             |               |   |            |                 |                 |             |
| IC1551            | LA6515          | I.C. (MONO-ANA)  |               |   |            |                 |                 |             |
| IC1601            | TA8246AH        | I.C. (HYBRID)    |               |   |            |                 |                 |             |
| IC1607            | TA78L005AP-T    | I.C. (H)         |               |   |            |                 |                 |             |
| IC1701            | M37280MK-104SP  | I.C.             |               |   |            |                 |                 |             |
| IC1702            | AT24C16-32WFT1  | I.C. (SERVICE)   |               |   |            |                 |                 |             |
| <b>OTHERS</b>     |                 |                  |               |   |            |                 |                 |             |
| CN1001            | QGF1216C1-25    | FFC CONNECTOR    |               |   |            |                 |                 |             |
| J1001             | QNN0296-001     | PIN JACK         |               |   |            |                 |                 |             |
| K1001-02          | CE41433-001Z    | BEADS CORE       |               |   |            |                 |                 |             |
| K1004             | CE41433-001Z    | BEADS CORE       |               |   |            |                 |                 |             |
| K1307             | CE41433-001Z    | BEADS CORE       |               |   |            |                 |                 |             |
| K1601-02          | CE42681-001Y    | BEADS CORE       |               |   |            |                 |                 |             |
| K1872             | CE41433-001Z    | BEADS CORE       |               |   |            |                 |                 |             |
| LC1301            | CE42142-222Z    | EMI FILTER       |               |   |            |                 |                 |             |
| TU1001            | QAU0188-001     | TUNER            |               |   |            |                 |                 |             |
| W1229             | NRSA02J-0ROX    | MG R             | 0.0Ω 1/10W    | J |            |                 |                 |             |
| W1322-33          | NRSA02J-0ROX    | MG R             | 0.0Ω 1/10W    | J |            |                 |                 |             |
| W1355-37          | NRSA02J-0ROX    | MG R             | 0.0Ω 1/10W    | J |            |                 |                 |             |
| W139-42           | NRSA02J-0ROX    | MG R             | 0.0Ω 1/10W    | J |            |                 |                 |             |
| W1245             | NRSA02J-0ROX    | MG R             | 0.0Ω 1/10W    | J |            |                 |                 |             |
| X1301             | QAX0305-001Z    | CRYSTAL          |               |   |            |                 |                 |             |
| X1701             | CST8.00MTW      | CER. RESONATOR   |               |   |            |                 |                 |             |
| X1831             | QAX0624-001Z    | C RESONATOR      |               |   |            |                 |                 |             |
| X1871             | CE41257-001Z    | CRYSTAL          |               |   |            |                 |                 |             |
| Y1611-13          | NRSA02J-0ROX    | MG R             | 0.0Ω 1/10W    | J |            |                 |                 |             |
| Y1618-19          | NRSA02J-0ROX    | MG R             | 0.0Ω 1/10W    | J |            |                 |                 |             |
| Y1871             | NRSA02J-0ROX    | MG R             | 0.0Ω 1/10W    | J |            |                 |                 |             |

## POWER &amp; DEF. PW BOARD ASS'Y (SJK-2501A-U2)

| △               | Symbol No.    | Part No.       | Part Name     | Description |
|-----------------|---------------|----------------|---------------|-------------|
| <b>RESISTOR</b> |               |                |               |             |
| R2401           | QRA14CF-5601Y | MF R           | 5.6kΩ 1/4W F  |             |
| R2402           | QRA14CF-6801Y | MF R           | 6.8kΩ 1/4W F  |             |
| R2403           | QRE141J-332Y  | C R            | 3.3kΩ 1/4W J  |             |
| R2404           | QRE141J-821Y  | C R            | 820Ω 1/4W J   |             |
| R2405           | QRA14CF-8200Y | MF R           | 820Ω 1/4W F   |             |
| R2406           | QRE141J-103Y  | C R            | 10kΩ 1/4W J   |             |
| R2409           | QRE141J-103Y  | C R            | 10kΩ 1/4W J   |             |
| R2410           | QRE141J-102Y  | C R            | 1kΩ 1/4W J    |             |
| R2414           | QRE121J-3R9Y  | C R            | 3.9Ω 1/2W J   |             |
| R2415           | QRX016J-1R8   | MF R           | 1.8Ω 1W J     |             |
| R2416           | QRG016J-820   | OM R           | 82Ω 1W J      |             |
| R2417           | QRE121J-1R0Y  | C R            | 1.0Ω 1/2W J   |             |
| R2461           | QRE141J-331Y  | C R            | 330Ω 1/4W J   |             |
| R2463-64        | QRE121J-392Y  | C R            | 3.9kΩ 1/2W J  |             |
| R2465           | QRE121J-822Y  | C R            | 8.2kΩ 1/2W J  |             |
| R2466           | QRE121J-102Y  | C R            | 1kΩ 1/2W J    |             |
| R2467           | QRG039J-120   | OM R           | 12 Ω 3W J     |             |
| R2492           | QRE141J-683Y  | C R            | 68kΩ 1/4W J   |             |
| R2493           | QRE141J-224Y  | C R            | 220kΩ 1/4W J  |             |
| △ R2494         | QRZ017-4R7    | F R            | 4.7Ω 1/4W J   |             |
| R2495           | QRE141J-103Y  | C R            | 10kΩ 1/4W J   |             |
| R2496           | QRE141J-183Y  | C R            | 18kΩ 1/4W J   |             |
| R2497           | QRE141J-153Y  | C R            | 15kΩ 1/4W J   |             |
| R2502           | QRE141J-222Y  | C R            | 2.2kΩ 1/4W J  |             |
| R2503           | QRE121J-152Y  | C R            | 1.5kΩ 1/2W J  |             |
| R2504-05        | QRLO39J-332   | OM R           | 3.3kΩ 3W J    |             |
| R2521           | QRE121J-150Y  | C R            | 15Ω 1/2W J    |             |
| R2522           | QRLO39J-103   | OM R           | 10kΩ 3W J     |             |
| R2523           | QRE121J-471Y  | C R            | 470Ω 1/2W J   |             |
| △ R2524         | QRZ017-4R7    | F R            | 4.7Ω 1/4W J   |             |
| R2525           | QRE141J-332Y  | C R            | 3.3kΩ 1/4W J  |             |
| R2541           | QRE121J-103Y  | C R            | 10kΩ 1/2W J   |             |
| R2542           | QRE121J-222Y  | C R            | 2.2kΩ 1/2W J  |             |
| R2543           | QRE121J-124Y  | C R            | 120kΩ 1/2W J  |             |
| R2544           | QRE121J-104Y  | C R            | 100kΩ 1/2W J  |             |
| R2545           | QRE141J-123Y  | C R            | 12kΩ 1/4W J   |             |
| R2546           | QRE121J-104Y  | C R            | 100kΩ 1/2W J  |             |
| R2547           | QRE141J-123Y  | C R            | 12kΩ 1/4W J   |             |
| R2548           | QRE121J-222Y  | C R            | 2.2kΩ 1/2W J  |             |
| R2551-52        | QRT039J-3R3   | MF R           | 3.3Ω 3W J     |             |
| R2553           | QRF104K-5R6   | UNF R          | 5.6Ω 10W K    |             |
| △ R2554         | QRZ021-1R5    | F R            | 1.5Ω 1W J     |             |
| △ R2555         | QRZ011-4R7    | F R            | 4.7Ω 1/2W J   |             |
| △ R2556         | QRZ021-100    | FUSI. RESISTOR | 10 Ω 1W J     |             |
| △ R2557         | QRZ021-100    | FUSI. RESISTOR | 10 Ω 1W J     |             |
| R2561           | QRLO29J-220   | OM R           | 22Ω 2W J      |             |
| R2562           | QRE121J-123Y  | C R            | 12kΩ 1/2W J   |             |
| R2563           | QRZ0056-103Z  | COMP.R         | 10kΩ 1/2W K   |             |
| R2591           | QRE121J-123Y  | C R            | 12kΩ 1/2W J   |             |
| R2592           | QRA14CF-1201Y | MF R           | 1.2kΩ 1/4W F  |             |
| R2593           | QRE141J-183Y  | C R            | 18kΩ 1/4W J   |             |
| △ R2594         | QRE141J-222Y  | C R            | 2.2kΩ 1/4W J  |             |
| △ R2595         | QRA14CF-8451Y | MF R           | 8.45kΩ 1/4W F |             |
| △ R2596         | QRA14CF-1201Y | MF R           | 1.2kΩ 1/4W F  |             |
| R2597           | QRE141J-273Y  | C R            | 27kΩ 1/4W J   |             |
| △ R2902         | QRE121J-331Y  | C R            | 330Ω 1/2W J   |             |
| R2903           | QRF104K-3R9   | UNF R          | 3.9Ω 10W K    |             |
| R2904-05        | QRE121J-474Y  | C R            | 470kΩ 1/2W J  |             |
| R2907-08        | QRLO39J-823   | OM R           | 82kΩ 3W J     |             |
| R2909           | QRG039J-683   | OM R           | 68kΩ 3W J     |             |
| R2910           | QRE121J-681Y  | C R            | 680Ω 1/2W J   |             |
| R2911           | QRM059J-R15   | MP R           | 0.15Ω 5W J    |             |
| R2912           | QRT029J-2R2   | MF R           | 2.2Ω 2W J     |             |
| △ R2913         | QRZ017-100    | FUSI. RESISTOR | 10 Ω 1/4W J   |             |
| R2914           | QRE121J-272Y  | C R            | 2.7kΩ 1/2W J  |             |
| R2918           | QRE121J-332Y  | C R            | 3.3kΩ 1/2W J  |             |
| R2933           | QRE141J-102Y  | C R            | 1kΩ 1/4W J    |             |
| R2935           | QRE141J-473Y  | C R            | 47kΩ 1/4W J   |             |
| R2936           | QRE141J-103Y  | C R            | 10kΩ 1/4W J   |             |

| △                | Symbol No.   | Part No. | Part Name           | Description |
|------------------|--------------|----------|---------------------|-------------|
| <b>RESISTOR</b>  |              |          |                     |             |
| R2938            | QRE121J-102Y | C R      | 1kΩ 1/2W J          |             |
| R2940            | QRE121J-390Y | C R      | 39Ω 1/2W J          |             |
| R2964            | QRE121J-102Y | C R      | 1kΩ 1/2W J          |             |
| R2967            | QRLO39J-223  | OM R     | 22kΩ 3W J           |             |
| R2976            | QRLO29J-100  | OM R     | 100Ω 2W J           |             |
| △ R2991          | QRZ0057-825  | C R      | 8.2MΩ 1W J          |             |
| <b>CAPACITOR</b> |              |          |                     |             |
| C2401            | QEHR1VM-227Z | E CAP.   | 220μF 35V M         |             |
| C2402            | QETN1VM-108  | E CAP.   | 1000μF 35V M        |             |
| C2403            | QFLC2AJ-683Z | M CAP.   | 0.068μF 100V J      |             |
| C2404            | QETN1HM-105Z | E CAP.   | 1μF 50V M           |             |
| C2405            | QFLC1HJ-472Z | M CAP.   | 4700pF 50V J        |             |
| C2406            | QCZ0337-180Z | C CAP.   | 18pF 2kV J          |             |
| C2407            | QFLC1HJ-102Z | M CAP.   | 10000pF 50V J       |             |
| C2408            | QFV71HK-334Z | MF CAP.  | 0.33μF 50V J        |             |
| C2410            | QFV71HJ-334Z | MF CAP.  | 0.33μF 50V J        |             |
| C2411            | QFLC2AJ-563Z | M CAP.   | 0.056μF 100V J      |             |
| C2451            | QFV71HJ-104Z | MF CAP.  | 0.1μF 50V J         |             |
| C2461            | QETN2AM-475Z | E CAP.   | 4.7μF 100V M        |             |
| C2462            | QETN1HM-106Z | E CAP.   | 10μF 50V M          |             |
| C2463            | QFLC1HJ-153Z | M CAP.   | 0.015μF 50V J       |             |
| C2464            | QFLC1HJ-333Z | M CAP.   | 0.033μF 50V J       |             |
| C2491            | QETN1HM-105Z | E CAP.   | 1μF 50V M           |             |
| C2492            | QETN1HM-106Z | E CAP.   | 10μF 50V M          |             |
| C2502            | QCB32HK-681Z | C CAP.   | 680pF 500V K        |             |
| C2503            | QEHR2CM-105Z | E CAP.   | 1μF 160V M          |             |
| △ C2521          | QFZ0200-302  | HPP CAP. | 3000pF 1.5kVH ±3%   |             |
| △ C2522          | QFZ0200-113  | HPP CAP. | 0.011μF 1.5kVH ±3%  |             |
| △ C2523          | QFP32GJ-223  | PP CAP.  | 0.022μF 400V J      |             |
| C2524            | QFM72DK-104  | M CAP.   | 0.1μF 200V K        |             |
| C2525            | QFZ0199-354  | HPP CAP. | 0.35μF 250V J       |             |
| C2526            | QFZ0199-304  | HPP CAP. | 0.3μF 250V J        |             |
| C2527            | QEH2EM-475Z  | E CAP.   | 4.7μF 250V M        |             |
| C2528            | QFZ0199-683  | MPP CAP. | 0.068μF 250V J      |             |
| C2529            | QFZ0199-104  | MPP CAP. | 0.1μF 250V J        |             |
| C2530            | QCB32HK-561Z | C CAP.   | 560pF 500V K        |             |
| C2531            | QFLC1HJ-103Z | M CAP.   | 0.01μF 50V J        |             |
| C2532            | QFZ0199-334  | MPP CAP. | 0.33μF 250V J       |             |
| C2542            | QFZ0199-204  | MPP CAP. | 0.2μF 250V J        |             |
| C2543            | QFZ0199-104  | MPP CAP. | 0.1μF 250V J        |             |
| C2551            | QETN2EM-106Z | E CAP.   | 10μF 250V M         |             |
| C2552            | QCB32HK-152Z | C CAP.   | 1500pF 500V K       |             |
| C2553            | QEHR1EM-108Z | E CAP.   | 1000μF 25V M        |             |
| C2554            | QCB32HK-152Z | C CAP.   | 1500pF 500V K       |             |
| C2555            | QEHR1EM-108Z | E CAP.   | 1000μF 25V M        |             |
| C2560            | QETM2CM-227  | E CAP.   | 220μF 160V M        |             |
| C2561            | QFLC1HJ-683Z | M CAP.   | 0.068μF 50V J       |             |
| C2566            | QFZ0199-1002 | NPP CAP. | 0.01μF 1.4kVH ±2.5% |             |
| C2591            | QETN1AM-107Z | E CAP.   | 100μF 10V M         |             |
| C2592            | QETN1EM-476Z | E CAP.   | 47μF 25V M          |             |
| C2593            | QETN2AM-106Z | E CAP.   | 100μF 100V M        |             |
| C2594            | QETN1AM-227Z | E CAP.   | 220μF 10V M         |             |
| △ C2901          | QFZ040-473   | MF CAP.  | 0.047μF 275V M      |             |
| △ C2904          | QCZ9054-472  | C CAP.   | 4700pF 250V Z       |             |
| △ C2905          | QCZ9054-472  | C CAP.   | 4700pF 250V Z       |             |
| △ C2906          | QCZ9054-472  | C CAP.   | 4700pF 250V M       |             |
| C2907            | QEZO199-227  | E CAP.   | 220pF 400V M        |             |
| C2908            | QCB32HK-103  | C CAP.   | 0.01μF 500V K       |             |
| C2909            | QCZ0122-391  | C CAP.   | 390pF 2kV K         |             |
| C2910            | QCZ0122-102  | C CAP.   | 1000pF 2kV K        |             |
| C2912            | QCB31HK-222Z | C CAP.   | 2200pF 50V K        |             |
| C2913            | QETN1HM-476Z | E CAP.   | 47μF 50V M          |             |
| C2916            | QETN1HM-107Z | E CAP.   | 100μF 50V M         |             |
| C2918            | QCB31HK-681Z | C CAP.   | 680pF 50V K         |             |
| C2933-34         | QETN1HM-106Z | E CAP.   | 10μF 50V M          |             |
| C2935            | QETN1EM-227Z | E CAP.   | 220μF 25V M         |             |
| C2951            | QCZ0122-561  | C CAP.   | 560pF 2kV K         |             |

| △                  | Symbol No.     | Part No.        | Part Name      | Description |
|--------------------|----------------|-----------------|----------------|-------------|
| <b>CAPACITOR</b>   |                |                 |                |             |
| C2952              | QEZO203-227    | E CAP.          | 220μF 160V N   |             |
| C2953              | QCB32HK-391Z   | C CAP.          | 390μF 500V K   |             |
| C2954              | QEHQ1EM-228    | E CAP.          | 2200μF 25V M   |             |
| C2955              | QCB32HK-391Z   | C CAP.          | 390μF 500V K   |             |
| C2956              | QEHO1CM-228    | E CAP.          | 2200μF 16V M   |             |
| C2958              | QCB32HK-391Z   | C CAP.          | 390μF 500V K   |             |
| C2959              | QETM1VM-228    | E CAP.          | 2200μF 35V M   |             |
| C2964              | QFV71HJ-684Z   | MF CAP.         | 0.68μF 50V J   |             |
| C2968              | QCZ0120-104Z   | C CAP.          | 0.1μF 25V Z    |             |
| C2969              | QEHR1CM-477Z   | E CAP.          | 470μF 16V M    |             |
| C2970              | QEHR1CM-107Z   | E CAP.          | 100μF 16V M    |             |
| C2971              | QCZ0120-104Z   | C CAP.          | 0.1μF 25V Z    |             |
| C2972              | QETN1CM-227Z   | E CAP.          | 220μF 16V M    |             |
| C2973              | QETN1EM-476Z   | E CAP.          | 47μF 25V M     |             |
| C2974              | QCZ0120-104Z   | C CAP.          | 0.1μF 25V Z    |             |
| C2975              | QETN1AM-227Z   | E CAP.          | 220μF 10V M    |             |
| C2976              | QETN1EM-476Z   | E CAP.          | 47μF 25V M     |             |
| C2979              | QFV71HJ-104Z   | MF CAP.         | 0.1μF 50V J    |             |
| △ C2991            | QCZ079-332     | C CAP.          | 3300pFAC250V M |             |
| △ C2992            | QCZ079-471     | C CAP.          | 470pFAC250V K  |             |
| <b>TRANSFORMER</b> |                |                 |                |             |
| T2501              | CE42034-002    | H.DRIVE TRANSF. |                |             |
| T2521              | CE42549-001J1  | BRIGE COIL      |                |             |
| △ T2551            | QOH0065-002-I2 | FBT             | (SERVICE)      |             |
| T2561              | QOR0898-001    | DEF. TRANSF.    |                |             |
| △ T2901            | QOS0065-001    | SW TRANSF.      |                |             |
| △ T2921            | QQT0303-001    | POWER TRANSF.   |                |             |
| <b>COIL</b>        |                |                 |                |             |
| L2461              | QLLZ028-822    | CHOKE COIL      |                |             |
| L2521              | QLLZ028-101    | CHOKE COIL      |                |             |
| L2522              | QRL106-002     | LINEARITY COIL  |                |             |
| L2561              | QLLZ028-272    | CHOKE COIL      |                |             |
| △ L2901-02         | QLL402K-100    | COIL            | 10μH           |             |
| L2903              | QOR0659-004    | CHOKE COIL      |                |             |
| L2951              | QLLZ026-460    | HEATER CHOKE    |                |             |
| L2952              | QLL26AK-820Z   | CHOKE COIL      |                |             |
| L2953-54           | QLL26AM-5R6Z   | CHOKE COIL      |                |             |
| <b>DIODE</b>       |                |                 |                |             |
| D2401              | MTZJ75-T2      | ZENER DIODE     |                |             |
| D2402              | 1N4003-T2      | SI.DIODE        |                |             |
| D2403              | 1SS133-T2      | SI.DIODE        |                |             |
| D2451              | BYD33D-T3      | SI.DIODE        |                |             |
| D2491              | BYD33D-T3      | SI.DIODE        |                |             |
| D2492              | MTZJ22B-T2     | ZENER DIODE     |                |             |
| D2493-94           | 1SS133-T2      | SI.DIODE        |                |             |
| D2521              | RH3G-F1        | SI.DIODE        |                |             |
| D2522              | BYW95B-20      | SI.DIODE        |                |             |
| D2523              | BYD33G-T3      | SI.DIODE        |                |             |
| D2524              | 1SS133-T2      | SI.DIODE        |                |             |
| D2525              | MTZJ9.18-T2    | ZENER DIODE     |                |             |
| D2551              | BYD33G-T3      | SI.DIODE        |                |             |
| D2553-54           | BYW95B-20      | SI.DIODE        |                |             |
| D2555-56           | MTZJ11C-T2     | ZENER DIODE     |                |             |
| D2591              | MTZJ15B-T2     | ZENER DIODE     |                |             |
| D2592              | MTZJ7.5B-T2    | ZENER DIODE     |                |             |
| D2593              | BYD33D-T3      | SI.DIODE        |                |             |
| D2594              | MTZJ7.5S-T2    | ZENER DIODE     |                |             |
| △ D2901            | D35BA60        | DIODE BRIDGE    |                |             |
| D2902              | BYD33M-T3      | SI.DIODE        |                |             |
| D2904-05           | BYD33D-T3      | SI.DIODE        |                |             |
| D2909              | 1SS133-T2      | SI.DIODE        |                |             |
| D2911              | MTZJ15B-T2     | ZENER DIODE     |                |             |
| D2913              | MTZJ27B-T2     | ZENER DIODE     |                |             |
| D2931              | 1SS133-T2      | SI.DIODE        |                |             |

| △                 | Symbol No.     | Part No.         | Part Name | Description |
|-------------------|----------------|------------------|-----------|-------------|
| <b>DIODE</b>      |                |                  |           |             |
| D2934             | MTZJ6.2B-T2    | ZENER DIODE      |           |             |
| D2935-38          | 1N4003-T2      | SI.DIODE         |           |             |
| D2939             | 1SS133-T2      | SI.DIODE         |           |             |
| D2951             | RUAB-F1        | SI.DIODE         |           |             |
| D2953-54          | BYW95B-20      | SI.DIODE         |           |             |
| D2955             | FMX-G12S       | SI.DIODE         |           |             |
| D2958             | 1SR35-400A-T2  | SI.DIODE         |           |             |
| D2963             | MTZJ3.9B-T2    | ZENER DIODE      |           |             |
| D2964             | MTZJ33B-T2     | ZENER DIODE      |           |             |
| D2981-83          | 1SS133-T2      | SI.DIODE         |           |             |
| D2985             | MTZJ7.5C-T2    | ZENER DIODE      |           |             |
| <b>TRANSISTOR</b> |                |                  |           |             |
| Q2402             | 2SC1740S/QR/-T | SI.TRANSISTOR    |           |             |
| Q2461             | 2SD1408/OY/-LB | SI.TRANSISTOR    |           |             |
| Q2462-63          | 2SA933AS/QR/-T | SI.TRANSISTOR    |           |             |
| Q2501             | BSN304-T       | F.E.T.           |           |             |
| △ Q2521           | 2SD2553-LB     | SI.TRANSISTOR    |           | H.OUT       |
| Q2541-42          | DTC124ESA-T    | DIGI.TRANSISTOR  |           |             |
| Q2543             | IRF620         | F.E.T.           |           |             |
| Q2544-45          | 2SK2459N-F54   | F.E.T.           |           |             |
| Q2546             | DTC124ESA-T    | DIGI.TRANSISTOR  |           |             |
| Q2591             | 2SA949/Y/Z1-T  | SI.TRANSISTOR    |           |             |
| Q2592             | DTC124ESA-T    | DIGI.TRANSISTOR  |           |             |
| Q2593             | 2SC1740S/QR/-T | SI.TRANSISTOR    |           |             |
| Q2931-32          | 2SC1740S/QR/-T | SI.TRANSISTOR    |           |             |
| Q2933             | 2SC2655/Y-T    | SI.TRANSISTOR    |           |             |
| <b>IC</b>         |                |                  |           |             |
| △ IC2401          | LA7841         | I.C.(MONO-ANA)   |           |             |
| △ IC2901          | STR-F6667B/F7  | I.C.             |           |             |
| IC2951            | SE140N         | I.C.(HYBRID)     |           |             |
| IC2952            | BA12T          | I.C.(MONO-ANA)   |           |             |
| IC2953            | BA17809T       | I.C.(MONO-ANA)   |           |             |
| IC2954            | BA05T          | I.C.(MONO-ANA)   |           |             |
| <b>OTHERS</b>     |                |                  |           |             |
| △ CP2953          | ICP-N75-Y      | I.C.PROTECT      |           |             |
| △ CP2956          | ICP-N10-Y      | I.C.PROTECT      |           |             |
| △ CP2957          | ICP-NS-Y       | I.C.PROTECT      |           |             |
| K2401             | CE41433-001Z   | BEADS CORE       |           |             |
| K2501-02          | CE41433-001Z   | BEADS CORE       |           |             |
| K2503-04          | QQR0582-001Z   | BEADS CORE       |           |             |
| K2902             | QQR0679-001    | FERRITE BEADS    |           |             |
| K2951             | QQR0872-001Y   | FERRITE BEADS    |           |             |
| K2952-54          | CE41433-001Z   | BEADS CORE       |           |             |
| PC2541-42         | PC123F2        | I.C.(PH.COUPLER) |           |             |
| △ PC2901          | TLP721F(D4-GR) | I.C.(PH.COUPLER) |           |             |
| △ RY2931          | OSK0099-001    | RELAY            |           |             |
| △ TH2901          | QAD0120-9R0    | P THERMISTOR     |           |             |

**CRT SOCKET PW BOARD ASS'Y (SJK-3501A-U2)**

| △ Symbol No.    | Part No. | Part Name | Description |
|-----------------|----------|-----------|-------------|
| <b>RESISTOR</b> |          |           |             |

|          |              |      |               |
|----------|--------------|------|---------------|
| R3101-03 | NRSA02J-101X | MG R | 100Ω 1/10W J  |
| R3107-09 | NRSA02J-392X | MG R | 3.9kΩ 1/10W J |
| R3110-12 | NRSA02J-221X | MG R | 220Ω 1/10W J  |
| R3113-15 | NRSA02J-470X | MG R | 47Ω 1/10W J   |
| R3116-18 | QRL029J-153  | OH R | 15kΩ 2W J     |
| R3119-21 | QRL029J-183  | OH R | 18kΩ 2W J     |
| R3125-27 | QRZ0107-102Z | C R  | 1kΩ 1/2W K    |
| R3130    | QRG01GJ-101  | OH R | 100Ω 1W J     |
| R3135    | QRZ0107-474Z | C R  | 470kΩ 1/2W K  |
| R3136    | QRE121J-474Y | C R  | 470kΩ 1/2W J  |
| R3137    | QRZ0107-102Z | C R  | 1kΩ 1/2W K    |
| R3138    | QRE121J-105Y | C R  | 1MΩ 1/2W J    |
| R3151    | NRSA02J-102X | MG R | 1kΩ 1/10W J   |
| R3152    | NRSA02J-472X | MG R | 4.7kΩ 1/10W J |
| R3154    | NRSA02J-OROX | MG R | 0.0Ω 1/10W J  |
| R3303    | NRSA02J-101X | MG R | 100Ω 1/10W J  |
| R3312    | NRSA02J-153X | MG R | 15kΩ 1/10W J  |
| R3313    | NRSA02J-152X | MG R | 1.5kΩ 1/10W J |
| R3314    | NRSA02J-101X | MG R | 100Ω 1/10W J  |
| R3315    | NRSA02J-221X | MG R | 220Ω 1/10W J  |
| R3316    | NRSA02J-222X | MG R | 2.2kΩ 1/10W J |
| R3317    | NRSA02J-470X | MG R | 47Ω 1/10W J   |
| R3318    | QRJ146J-100X | C R  | 10Ω 1/4W J    |
| R3319    | NRSA02J-470X | MG R | 47Ω 1/10W J   |
| R3320    | NRSA02J-122X | MG R | 1.2kΩ 1/10W J |
| R3321    | NRSA02J-390X | MG R | 39Ω 1/10W J   |
| R3322    | QRE121J-2R7Y | C R  | 2.7Ω 1/2W J   |
| R3323-24 | QRE121J-563Y | C R  | 56kΩ 1/2W J   |
| R3325    | NRSA02J-122X | MG R | 1.2kΩ 1/10W J |
| R3326    | QRE121J-2R7Y | C R  | 2.7Ω 1/2W J   |
| R3327    | NRSA02J-390X | MG R | 39Ω 1/10W J   |
| R3328    | NRSA02J-121X | MG R | 120Ω 1/10W J  |
| R3329    | QRL029J-391  | DM R | 390Ω 2W J     |

**CAPACITOR**

|          |              |        |                |
|----------|--------------|--------|----------------|
| C3101-03 | NDC21HJ-471X | C CAP. | 470pF 50V J    |
| C3104    | QETN1CN-107Z | E CAP. | 100μF 16V M    |
| C3105    | QETN1EM-476Z | E CAP. | 47μF 25V M     |
| C3107    | QETN1HH-106Z | E CAP. | 10μF 50V M     |
| C3113    | QCZ0131-222  | C CAP. | 2200pF 2000V K |
| C3114    | QETM2EM-225  | E CAP. | 2.2μF 250V M   |
| C3115    | QETM2EM-106  | E CAP. | 10μF 250V M    |
| C3116    | NDC21HJ-471X | C CAP. | 470pF 50V J    |
| C3304    | NCB21HK-103X | C CAP. | 0.01μF 50V K   |
| C3305    | QETN1HH-335Z | E CAP. | 3.3μF 50V M    |
| C3306    | QETN1CM-107Z | E CAP. | 100μF 16V M    |
| C3307    | NDC21HJ-5R0X | C CAP. | 5.0μF 50V J    |
| C3308    | QETN2CM-106Z | E CAP. | 10μF 160V M    |
| C3309    | QCB32HK-472Z | C CAP. | 4700pF 500V K  |
| C3310    | QETN2CM-106Z | E CAP. | 10μF 160V M    |
| C3311    | NDC21HJ-821X | C CAP. | 820pF 50V J    |
| C3312    | QCB32HK-472Z | C CAP. | 4700pF 500V K  |
| C3313    | NDC21HJ-561X | C CAP. | 560pF 50V J    |
| C3314    | QETN1CH-107Z | E CAP. | 100μF 16V M    |
| C3315    | QCS32HJ-580Z | C CAP. | 68μF 500V J    |
| C3316    | QETN1CH-107Z | E CAP. | 100μF 16V M    |
| C3317    | QETN1AM-337Z | E CAP. | 330μF 10V M    |

**COIL**

|       |              |      |       |
|-------|--------------|------|-------|
| L3301 | QQL244J-391Z | COIL | 390μH |
|-------|--------------|------|-------|

| △ Symbol No. | Part No. | Part Name | Description |
|--------------|----------|-----------|-------------|
|--------------|----------|-----------|-------------|

**DIODE**

|          |               |             |
|----------|---------------|-------------|
| D3151    | MA111-X       | SI.DIODE    |
| D3153-55 | MA111-X       | SI.DIODE    |
| D3156    | MA3047/H/-X   | ZENER DIODE |
| D3163    | MA3150/M/-X   | ZENER DIODE |
| D3164    | 1SR35-400A-T2 | SI.DIODE    |
| D3302-03 | RH15-T3       | SI.DIODE    |

**TRANSISTOR**

|          |                 |               |
|----------|-----------------|---------------|
| Q3101-03 | 2SC1740S/QR/-T  | SI.TRANSISTOR |
| Q3104-06 | 2SC4544-LB      | SI.TRANSISTOR |
| Q3151    | 2SA1037AK/QR/-X | SI.TRANSISTOR |
| Q3152    | 2SC4682-T       | SI.TRANSISTOR |
| Q3304-05 | 2SC1740S/QR/-T  | SI.TRANSISTOR |
| Q3306    | 2SA933AS/QR/-T  | SI.TRANSISTOR |
| Q3307    | 2SA1837         | SI.TRANSISTOR |
| Q3308    | 2SC4793         | SI.TRANSISTOR |

**OTHERS**

|          |              |               |              |
|----------|--------------|---------------|--------------|
| △ FR3330 | QRZ9021-561  | FUSI.RESISTOR | 560 Ω 1W J   |
| K3101    | CE41433-001Z | BEADS CORE    |              |
| K3301-04 | CE41492-001Z | CHOKE COIL    |              |
| △ SK3001 | CE42670-001  | C.R.T.SOCKET  |              |
| W3003    | NRSA02J-OROX | MG R          | 0.0Ω 1/10W J |
| W3006    | NRSA02J-OROX | MG R          | 0.0Ω 1/10W J |
| W3012    | NRSA02J-OROX | MG R          | 0.0Ω 1/10W J |
| W3014    | NRSA02J-OROX | MG R          | 0.0Ω 1/10W J |
| W3016-17 | NRSA02J-OROX | MG R          | 0.0Ω 1/10W J |
| W3019    | NRSA02J-OROX | MG R          | 0.0Ω 1/10W J |
| W3022    | NRSA02J-OROX | MG R          | 0.0Ω 1/10W J |
| Y3152    | NRSA02J-OROX | MG R          | 0.0Ω 1/10W J |

AV-32WFT1EPG/EPSS

**FRONT CONTROL PW BOARD ASS'Y  
(SJK-8501A-U2)**

| △ Symbol No.      | Part No.        | Part Name        | Description    |
|-------------------|-----------------|------------------|----------------|
| <b>RESISTOR</b>   |                 |                  |                |
| R8301             | NRSA02J-750X    | MG R             | 750 1/10W J    |
| R8801-02          | NRSA02J-561X    | MG R             | 560Ω 1/10W J   |
| R8804-06          | NRSA02J-102X    | MG R             | 1kΩ 1/10W J    |
| R8807-09          | NRSA02J-103X    | MG R             | 10kΩ 1/10W J   |
| R8810-11          | QRE121J-271Y    | C R              | 270Ω 1/2W J    |
| R8812-13          | NRSA02J-102X    | MG R             | 1kΩ 1/10W J    |
| R8815-16          | NRSA02J-471X    | MG R             | 470Ω 1/10W J   |
| R8851             | NRSA02J-682X    | MG R             | 6.8kΩ 1/10W J  |
| R8861             | NRSA02J-562X    | MG R             | 5.6kΩ 1/10W J  |
| R8863             | NRSA02J-472X    | MG R             | 4.7kΩ 1/10W J  |
| R8864             | NRSA02J-222X    | MG R             | 2.2kΩ 1/10W J  |
| <b>CAPACITOR</b>  |                 |                  |                |
| C8301-02          | NCB21HK-472X    | C CAP.           | 4700pF 50V K   |
| C8303             | NCB21EK-104X    | C CAP.           | 0.1μF 25V K    |
| C8801-02          | NCB21HK-104X    | CHIP CAP.        | 0.1μF 50V K    |
| C8805             | NCB21HK-103X    | C CAP.           | 0.01μF 50V K   |
| C8851             | NCB21EK-104X    | C CAP.           | 0.1μF 25V K    |
| C8852             | QETN1CH-107Z    | E CAP.           | 100μF 16V H    |
| C8861             | QETN1HM-106Z    | E CAP.           | 10μF 50V H     |
| △ C8901           | QFZ940-474      | MF CAP.          | 0.47μFAC275V M |
| <b>COIL</b>       |                 |                  |                |
| L8301             | QL211K-270Y     | PEAKING COIL     | 27μH           |
| L8302             | QR0716-001Z     | LEAD CORE        |                |
| L8303             | QL211K-270Y     | PEAKING COIL     | 27μH           |
| L8801-02          | QL211K-5R6Y     | PEAKING COIL     | 5.6μH          |
| L8803             | QR0716-001Z     | LEAD CORE        |                |
| <b>DIODE</b>      |                 |                  |                |
| D8801             | SPR-39MWF       | L.E.D.           |                |
| D8802             | SLR-342YY-T16   | L.E.D. (YLW)     |                |
| D8803             | SLR-342DU-T16   | L.E.D. (ORG)     |                |
| D8804             | SLR-342MG-T16   | L.E.D. (GRN)     |                |
| D8805             | MA111-X         | SI.DIODE         |                |
| D8851             | MA3068/M-X      | ZENER DIODE      |                |
| D8861             | MA111-X         | SI.DIODE         |                |
| D8862             | P1241-04        | C.D.S.           |                |
| <b>TRANSISTOR</b> |                 |                  |                |
| Q8801-02          | DTA124EKA-X     | DIGI. TRANSISTOR |                |
| Q8803             | 2SA1037AK/QR/-X | SI. TRANSISTOR   |                |
| Q8804             | DTC124EKA-X     | DIGI. TRANSISTOR |                |
| Q8805             | 2SA1037AK/QR/-X | SI. TRANSISTOR   |                |
| Q8861             | 2SA1037AK/QR/-X | SI. TRANSISTOR   |                |
| <b>IC</b>         |                 |                  |                |
| IC8851            | GP1U281Q        | IFR DETECT UNIT  |                |
| <b>OTHERS</b>     |                 |                  |                |
| △ CN8001          | LC30596-001B-C  | LED HOLDER       |                |
|                   | CM35921-005-H   | CDS HOLDER       |                |
|                   | CEMG002-001Z    | FUSE CLIP        |                |
|                   | QGF1216C1-25    | FFC CONNECTOR    |                |
|                   | QMF51D2-3R15J1  | FUSE             | 3.15A          |
| △ F8901           | QND0073-001     | S JACK           |                |
| J8301             | QNN0279-003     | PIN JACK         |                |
| J8302             | QNN0279-002     | PIN JACK         |                |
| J8303             | QNN0279-001     | PIN JACK         |                |
| J8304             | QNN0279-001     | PIN JACK         |                |
| J8801             | QMS3004-C01     | HEADPHONE JACK   |                |
| △ LF8901          | QQR1095-001     | LINE FILTER      |                |
| S8801             | QSW0619-003Z    | PUSH SWITCH      | VR             |
| S8802             | QSW0619-003Z    | PUSH SWITCH      | ▽(DOWN)        |
| S8803             | QSW0619-003Z    | PUSH SWITCH      | △(UP)          |
| △ S8901           | QSW0824-001     | PUSH SWITCH      | MAIN POWER     |
| W8015             | NRSA02J-OR0X    | MG R             | 0.0Ω 1/10W J   |
| W8023             | NRSA02J-OR0X    | MG R             | 0.0Ω 1/10W J   |

**AV SEL. PW BOARD ASS'Y (SJK0S701A-U2)**

Refer to PARTS LIST in page 48 for this P.W. board.

**AV-32WFT1EKS****PRINTED WIRING BOARD PARTS LIST****MAIN PW BOARD ASS'Y (SJK-1901A-U2)**

| △ Symbol No.    | Part No.     | Part Name | Description   | △ Symbol No. | Part No.     | Part Name | Description   |
|-----------------|--------------|-----------|---------------|--------------|--------------|-----------|---------------|
| <b>RESISTOR</b> |              |           |               |              |              |           |               |
| R1001-06        | NRSA02J-102X | MG R      | 1kΩ 1/10W J   | R1553        | NRSA02J-683X | MG R      | 68kΩ 1/10W J  |
| R1007           | NRSA02J-104X | MG R      | 100kΩ 1/10W J | R1554        | NRSA02J-333X | MG R      | 33kΩ 1/10W J  |
| R1008           | NRSA02J-0R0X | MG R      | 0.0Ω 1/10W J  | R1555        | NRSA02J-472X | MG R      | 4.7kΩ 1/10W J |
| R1301           | NRSA02J-103X | MG R      | 10kΩ 1/10W J  | R1556        | NRSA02J-154X | MG R      | 150kΩ 1/10W J |
| R1302           | NRSA02J-183X | MG R      | 18kΩ 1/10W J  | R1557-58     | NRSA02J-562X | MG R      | 5.6kΩ 1/10W J |
| R1303           | NRSA02J-153X | MG R      | 15kΩ 1/10W J  | R1559        | NRSA02J-0R0X | MG R      | 0.0Ω 1/10W J  |
| R1304           | QRG01GJ-121  | OH R      | 120Ω 1W J     | R1560        | NRSA02J-104X | MG R      | 100kΩ 1/10W J |
| R1305           | NRSA02J-562X | MG R      | 5.6kΩ 1/10W J | R1561        | QRE121J-100Y | C R       | 10Ω 1/2W J    |
| R1306           | NRSA02J-222X | MG R      | 2.2kΩ 1/10W J | R1571        | NRSA02J-101X | MG R      | 100Ω 1/10W J  |
| R1307-08        | NRSA02J-102X | MG R      | 1kΩ 1/10W J   | R1572        | NRSA02J-133X | MG R      | 13kΩ 1/10W J  |
| R1309           | NRSA02J-222X | MG R      | 2.2kΩ 1/10W J | R1573        | NRSA02J-821X | MG R      | 82Ω 1/10W J   |
| R1310-11        | NRSA02J-391X | MG R      | 390Ω 1/10W J  | R1602        | NRSA02J-104X | MG R      | 100kΩ 1/10W J |
| R1312-13        | NRSA02J-101X | MG R      | 100Ω 1/10W J  | R1604        | NRSA02J-393X | MG R      | 39kΩ 1/10W J  |
| R1314           | NRSA02J-562X | MG R      | 5.6kΩ 1/10W J | R1605        | NRSA02J-681X | MG R      | 68Ω 1/10W J   |
| R1316           | NRSA02J-224X | MG R      | 220kΩ 1/10W J | R1606        | NRSA02J-393X | MG R      | 39kΩ 1/10W J  |
| R1317           | NRSA02J-101X | MG R      | 100Ω 1/10W J  | R1607        | NRSA02J-681X | MG R      | 68Ω 1/10W J   |
| R1318-21        | NRSA02J-102X | MG R      | 1kΩ 1/10W J   | R1608-09     | NRSA02J-223X | MG R      | 22kΩ 1/10W J  |
| R1327           | NRSA02J-0R0X | MG R      | 0.0Ω 1/10W J  | R1610-11     | NRSA02J-822X | MG R      | 8.2kΩ 1/10W J |
| R1328-29        | NRSA02J-102X | MG R      | 1kΩ 1/10W J   | R1633        | NRSA02J-273X | MG R      | 27kΩ 1/10W J  |
| R1330           | NRSA02J-472X | MG R      | 4.7kΩ 1/10W J | R1638        | NRSA02J-473X | MG R      | 47kΩ 1/10W J  |
| R1331           | NRSA02J-333X | MG R      | 33kΩ 1/10W J  | R1648        | NRSA02J-104X | MG R      | 100kΩ 1/10W J |
| R1332-33        | NRSA02J-222X | MG R      | 2.2kΩ 1/10W J | R1649        | NRSA02J-682X | MG R      | 6.8kΩ 1/10W J |
| R1335           | NRSA02J-273X | MG R      | 27kΩ 1/10W J  | R1650        | NRSA02J-104X | MG R      | 100kΩ 1/10W J |
| R1336           | NRSA02J-103X | MG R      | 10kΩ 1/10W J  | R1660        | QRK126J-2R2X | C R       | 2.2Ω 1/2W J   |
| R1337           | NRSA02J-102X | MG R      | 1kΩ 1/10W J   | R1661        | NRSA02J-103X | MG R      | 10kΩ 1/10W J  |
| R1338           | NRSA02J-562X | MG R      | 5.6kΩ 1/10W J | R1663        | NRSA02J-561X | MG R      | 56Ω 1/10W J   |
| R1339           | NRSA02J-102X | MG R      | 1kΩ 1/10W J   | R1664        | NRSA02J-562X | MG R      | 5.6kΩ 1/10W J |
| R1340-41        | NRSA02J-333X | MG R      | 33kΩ 1/10W J  | R1683        | QRK126J-2R2X | C R       | 2.2Ω 1/2W J   |
| R1342           | NRSA02J-152X | MG R      | 1.5kΩ 1/10W J | R1689        | NRSA02J-473X | MG R      | 47kΩ 1/10W J  |
| R1343           | NRSA02J-272X | MG R      | 2.7kΩ 1/10W J | R1690        | QRG01GJ-270  | OH R      | 27Ω 1W J      |
| R1344           | NRSA02J-471X | MG R      | 470Ω 1/10W J  | R1701        | NRSA02J-221X | MG R      | 22Ω 1/10W J   |
| R1345           | NRSA02J-102X | MG R      | 1kΩ 1/10W J   | R1702        | NRSA02J-822X | MG R      | 8.2kΩ 1/10W J |
| R1346           | NRSA02J-223X | MG R      | 22kΩ 1/10W J  | R1703        | NRSA02J-273X | MG R      | 27kΩ 1/10W J  |
| R1401-02        | NRSA02J-103X | MG R      | 10kΩ 1/10W J  | R1704        | NRSA02J-473X | MG R      | 47kΩ 1/10W J  |
| R1403           | NRSA02J-102X | MG R      | 1kΩ 1/10W J   | R1705        | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |
| R1404           | NRSA02J-183X | MG R      | 18kΩ 1/10W J  | R1706        | NRSA02J-223X | MG R      | 22kΩ 1/10W J  |
| R1405           | NRSA02J-223X | MG R      | 22kΩ 1/10W J  | R1707-12     | NRSA02J-103X | MG R      | 10kΩ 1/10W J  |
| R1409           | NRSA02J-0R0X | MG R      | 0.0Ω 1/10W J  | R1713-14     | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |
| R1411           | NRVA02D-473X | MF R      | 47kΩ 1/10W D  | R1716        | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |
| R1413           | NRVA02D-223X | MF R      | 22kΩ 1/10W D  | R1717        | NRSA02J-104X | MG R      | 100kΩ 1/10W J |
| R1414           | NRVA02D-101X | MF R      | 100Ω 1/10W D  | R1718-19     | NRSA02J-682X | MG R      | 6.8kΩ 1/10W J |
| R1415           | NRSA02J-562X | MG R      | 5.6kΩ 1/10W J | R1720        | NRSA02J-472X | MG R      | 4.7kΩ 1/10W J |
| R1416           | NRSA02J-101X | MG R      | 100Ω 1/10W J  | R1721        | NRSA02J-103X | MG R      | 10kΩ 1/10W J  |
| R1417           | NRSA02J-223X | MG R      | 22kΩ 1/10W J  | R1722        | NRSA02J-472X | MG R      | 4.7kΩ 1/10W J |
| R1418           | NRSA02J-682X | MG R      | 6.8kΩ 1/10W J | R1723        | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |
| R1419           | NRSA02J-562X | MG R      | 5.6kΩ 1/10W J | R1724-28     | NRSA02J-472X | MG R      | 4.7kΩ 1/10W J |
| R1420           | NRSA02J-123X | MG R      | 12kΩ 1/10W J  | R1729-31     | NRSA02J-221X | MG R      | 22Ω 1/10W J   |
| R1501           | NRSA02J-621X | MG R      | 620Ω 1/10W J  | R1732        | NRSA02J-562X | MG R      | 5.6kΩ 1/10W J |
| R1502           | NRSA02J-103X | MG R      | 10kΩ 1/10W J  | R1733        | NRSA02J-103X | MG R      | 10kΩ 1/10W J  |
| R1503           | NRSA02J-104X | MG R      | 100kΩ 1/10W J | R1734        | NRSA02J-223X | MG R      | 22kΩ 1/10W J  |
| R1504           | NRSA02J-103X | MG R      | 10kΩ 1/10W J  | R1736-39     | NRSA02J-103X | MG R      | 10kΩ 1/10W J  |
| R1505-06        | NRSA02J-221X | MG R      | 220Ω 1/10W J  | R1740        | NRSA02J-331X | MG R      | 33Ω 1/10W J   |
| R1507           | NRSA02J-102X | MG R      | 1kΩ 1/10W J   | R1741-44     | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |
| R1508-09        | NRSA02J-223X | MG R      | 22kΩ 1/10W J  | R1745-47     | NRSA02J-472X | MG R      | 4.7kΩ 1/10W J |
| R1511           | NRSA02J-0R0X | MG R      | 0.0Ω 1/10W J  | R1748-52     | NRSA02J-221X | MG R      | 22Ω 1/10W J   |
| R1514           | NRSA02J-472X | MG R      | 4.7kΩ 1/10W J | R1753        | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |
| R1516           | NRSA02J-222X | MG R      | 2.2kΩ 1/10W J | R1754        | NRSA02J-683X | MG R      | 68kΩ 1/10W J  |
| R1517           | NRSA02J-472X | MG R      | 4.7kΩ 1/10W J | R1755        | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |
| R1518           | NRSA02J-682X | MG R      | 6.8kΩ 1/10W J | R1756        | NRSA02J-103X | MG R      | 10kΩ 1/10W J  |
| R1519           | NRSA02J-562X | MG R      | 5.6kΩ 1/10W J | R1758        | NRSA02J-103X | MG R      | 10kΩ 1/10W J  |
| R1520           | NRSA02J-152X | MG R      | 1.5kΩ 1/10W J | R1759        | NRSA02J-472X | MG R      | 4.7kΩ 1/10W J |
| R1551           | QRE121J-100Y | C R       | 10Ω 1/2W J    | R1760        | NRSA02J-103X | MG R      | 10kΩ 1/10W J  |
| R1552           | NRSA02J-124X | MG R      | 120kΩ 1/10W J | R1762-63     | NRSA02J-103X | MG R      | 10kΩ 1/10W J  |

AV-32WFT1EKS

| △                | Symbol No.   | Part No.  | Part Name     | Description | △        | Symbol No.   | Part No.  | Part Name     | Description |
|------------------|--------------|-----------|---------------|-------------|----------|--------------|-----------|---------------|-------------|
| <b>RESISTOR</b>  |              |           |               |             |          |              |           |               |             |
| R1764-66         | NRSA02J-221X | MG R      | 22Ω 1/10W J   |             | C1313    | QETN1CM-107Z | E CAP.    | 100μF 16V M   |             |
| R1767            | NRSA02J-103X | MG R      | 10kΩ 1/10W J  |             | C1314    | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |             |
| R1770            | NRSA02J-272X | MG R      | 2.7kΩ 1/10W J |             | C1315    | QETN1HM-106Z | E CAP.    | 10μF 50V M    |             |
| R1771-73         | NRSA02J-222X | MG R      | 2.2kΩ 1/10W J |             | C1319    | QETN1CM-107Z | E CAP.    | 100μF 16V M   |             |
| R1774-75         | NRSA02J-393X | MG R      | 39kΩ 1/10W J  |             | C1320    | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |             |
| R1777-79         | NRSA02J-222X | MG R      | 2.2kΩ 1/10W J |             | C1321-23 | NCB21EK-104X | C CAP.    | 0.1μF 25V K   |             |
| R1780            | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |             | C1324-26 | QETN1HM-105Z | E CAP.    | 1μF 50V M     |             |
| R1784            | NRSA02J-473X | MG R      | 47kΩ 1/10W J  |             | C1327    | QETN1CM-475Z | E CAP.    | 4.7μF 50V M   |             |
| R1785            | NRSA02J-223X | MG R      | 22kΩ 1/10W J  |             | C1328    | QETN1CM-107Z | E CAP.    | 100μF 16V M   |             |
| R1786            | NRSA02J-473X | MG R      | 47kΩ 1/10W J  |             | C1329    | QETN1EM-476Z | E CAP.    | 47μF 25V M    |             |
| R1787            | NRSA02J-332X | MG R      | 3.3kΩ 1/10W J |             | C1331    | QETN1HM-105Z | E CAP.    | 1μF 50V M     |             |
| R1788            | NRSA02J-272X | MG R      | 2.7kΩ 1/10W J |             | C1332    | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |             |
| R1789            | NRSA02J-473X | MG R      | 47kΩ 1/10W J  |             | C1333    | NCB21EK-104X | C CAP.    | 0.1μF 25V K   |             |
| R1790            | NRSA02J-682X | MG R      | 6.8kΩ 1/10W J |             | C1401    | QETN1HM-105Z | E CAP.    | 1μF 50V M     |             |
| R1801-02         | NRSA02J-103X | MG R      | 10kΩ 1/10W J  |             | C1403-05 | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |             |
| R1804            | NRSA02J-473X | MG R      | 47kΩ 1/10W J  |             | C1406    | QFV71HJ-184Z | NF CAP.   | 0.18μF 50V J  |             |
| R1805            | NRSA02J-333X | MG R      | 33kΩ 1/10W J  |             | C1407    | QFV71HJ-564Z | NF CAP.   | 0.56μF 50V J  |             |
| R1834            | NRSA02J-473X | MG R      | 47kΩ 1/10W J  |             | C1408    | NCB21HK-153X | C CAP.    | 0.015μF 50V K |             |
| R1835            | NRSA02J-152X | MG R      | 1.5kΩ 1/10W J |             | C1501    | QETN1CM-107Z | E CAP.    | 100μF 16V M   |             |
| R1837            | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |             | C1502-04 | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |             |
| R1838            | NRSA02J-393X | MG R      | 39kΩ 1/10W J  |             | C1505    | NCB21HK-822X | C CAP.    | 8200pF 50V K  |             |
| R1839            | NRSA02J-332X | MG R      | 3.3kΩ 1/10W J |             | C1506    | QETN1HM-105Z | E CAP.    | 1μF 50V M     |             |
| R1840            | NRSA02J-152X | MG R      | 1.5kΩ 1/10W J |             | C1507    | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |             |
| R1841            | NRSA02J-331X | MG R      | 33Ω 1/10W J   |             | C1508    | QETN1CM-108Z | E CAP.    | 1000pF 16V M  |             |
| R1842            | NRSA02J-222X | MG R      | 2.2kΩ 1/10W J |             | C1509    | NCB21HK-823X | CHIP CAP. | 0.082μF 50V K |             |
| R1843            | NRSA02J-332X | MG R      | 3.3kΩ 1/10W J |             | C1510-11 | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |             |
| R1844            | NRSA02J-392X | MG R      | 3.9kΩ 1/10W J |             | C1512    | QTMN1HM-105Z | E CAP.    | 0.1μF 50 M    |             |
| R1845            | NRSA02J-272X | MG R      | 2.7kΩ 1/10W J |             | C1513    | QETN1CM-228Z | E CAP.    | 2200pF 16V M  |             |
| R1846            | NRSA02J-103X | MG R      | 10kΩ 1/10W J  |             | C1514    | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |             |
| R1847-48         | NRSA02J-472X | MG R      | 4.7kΩ 1/10W J |             | C1515    | QFV71HJ-394Z | NF CAP.   | 0.39μF 50V J  |             |
| R1849            | NRSA02J-823X | MG R      | 82kΩ 1/10W J  |             | C1516    | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |             |
| R1850-56         | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |             | C1551-52 | NCB21EK-224X | CHIP CAP. | 0.22μF 25V K  |             |
| R1857            | NRSA02J-472X | MG R      | 4.7kΩ 1/10W J |             | C1553    | QETN1EM-476Z | E CAP.    | 47μF 25V M    |             |
| R1858            | NRSA02J-223X | MG R      | 22kΩ 1/10W J  |             | C1554-55 | NCB21EK-224X | CHIP CAP. | 0.22μF 25V K  |             |
| R1859            | NRSA02J-823X | MG R      | 82kΩ 1/10W J  |             | C1571    | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |             |
| R1871            | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |             | C1601-02 | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |             |
| R1872-73         | NRSA02J-222X | MG R      | 2.2kΩ 1/10W J |             | C1603-04 | NCF21CZ-105X | C CAP.    | 1μF 16V Z     |             |
| R1874            | NRSA02J-272X | MG R      | 2.7kΩ 1/10W J |             | C1606    | NRSA02J-9R0X | MG R      | 0.0Ω 1/10W J  |             |
| R1875            | NRSA02J-104X | MG R      | 100kΩ 1/10W J |             | C1622-23 | QETN1CM-227Z | E CAP.    | 220pF 16V M   |             |
| R1876            | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |             | C1625    | QETN1HM-105Z | E CAP.    | 1μF 50V M     |             |
| R1877            | NRSA02J-393X | MG R      | 39kΩ 1/10W J  |             | C1635    | QETN1HM-105Z | E CAP.    | 1μF 50V M     |             |
| R1878-80         | NRSA02J-152X | MG R      | 1.5kΩ 1/10W J |             | C1636    | QETN1HM-107Z | E CAP.    | 100μF 50V M   |             |
| R1881-82         | NRSA02J-331X | MG R      | 33Ω 1/10W J   |             | C1637    | QETN1HM-106Z | E CAP.    | 10μF 50V M    |             |
| R1883            | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |             | C1638-39 | NCF21HZ-224X | C CAP.    | 0.22μF 50V Z  |             |
| R1884            | NRSA02J-331X | MG R      | 33Ω 1/10W J   |             | C1653    | NCF21HZ-224X | C CAP.    | 0.22μF 50V Z  |             |
|                  |              |           |               |             | C1655    | NCF21HZ-224X | C CAP.    | 0.22μF 50V Z  |             |
|                  |              |           |               |             | C1656    | QETM1HM-228  | E CAP.    | 220pF 50V M   |             |
|                  |              |           |               |             | C1661-62 | QETM1VM-108  | E CAP.    | 1000pF 35V M  |             |
| <b>CAPACITOR</b> |              |           |               |             |          |              |           |               |             |
| C1001            | NCB21HK-222X | C CAP.    | 2200pF 50V K  |             | C1668    | NCB21EK-104X | C CAP.    | 0.1μF 25V K   |             |
| C1003            | NCB21EK-104X | C CAP.    | 0.1μF 25V K   |             | C1671    | QETN1CM-107Z | E CAP.    | 100μF 16V M   |             |
| C1004            | QETN1CM-108Z | E CAP.    | 1000pF 16V M  |             | C1672    | NCB21EK-104X | C CAP.    | 0.1μF 25V K   |             |
| C1005            | QETN1CM-107Z | E CAP.    | 100μF 16V M   |             | C1701    | NCF21CZ-105X | C CAP.    | 1μF 16V Z     |             |
| C1006            | QETN1HM-106Z | E CAP.    | 10μF 50V M    |             | C1703    | QETN1EM-476Z | E CAP.    | 47μF 25V M    |             |
| C1007            | NCB21EK-104X | C CAP.    | 0.1μF 25V K   |             | C1704    | NCB21EK-104X | C CAP.    | 0.1μF 25V K   |             |
| C1008            | QETN1HM-106Z | E CAP.    | 10μF 50V M    |             | C1705    | QETN1AN-107Z | E CAP.    | 100μF 10V M   |             |
| C1009            | NCB21EK-104X | C CAP.    | 0.1μF 25V K   |             | C1706    | NCB21EK-104X | C CAP.    | 0.1μF 25V K   |             |
| C1010            | QETN1CM-107Z | E CAP.    | 100pF 16V M   |             | C1707    | QETN1HM-474Z | E CAP.    | 0.47μF 50V M  |             |
| C1301            | NCB21EK-104X | C CAP.    | 0.1μF 25V K   |             | C1708    | QETN1EM-476Z | E CAP.    | 47μF 25V M    |             |
| C1302            | NCB21HK-823X | CHIP CAP. | 0.082μF 50V K |             | C1709-10 | NDC21HJ-9R0X | C CAP.    | 9.0pF 50V J   |             |
| C1303            | QETN1EM-476Z | E CAP.    | 47μF 25V M    |             | C1711    | NCB21EK-104X | C CAP.    | 0.1μF 25V K   |             |
| C1304            | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |             | C1712    | NDC21HJ-151X | C CAP.    | 150pF 50V J   |             |
| C1305            | QETN1CM-107Z | E CAP.    | 100pF 16V M   |             | C1713    | QETN1HM-105Z | E CAP.    | 1μF 50V M     |             |
| C1306            | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |             | C1714    | NDC21HJ-561X | C CAP.    | 560pF 50V J   |             |
| C1307            | QETN1CM-477Z | E CAP.    | 470pF 16V M   |             | C1716-17 | QETN1HM-105Z | E CAP.    | 1μF 50V M     |             |
| C1308            | NDC21HJ-120X | C CAP.    | 12pF 50V J    |             | C1718    | NCB21HK-333X | C CAP.    | 0.033μF 50V K |             |
| C1309            | QETN1HM-475Z | E CAP.    | 4.7μF 50V M   |             | C1725    | NCB21HK-102X | C CAP.    | 1000pF 50V K  |             |
| C1310            | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |             | C1726    | NDC21HJ-391X | C CAP.    | 390pF 50V J   |             |
| C1311            | QETN1HM-106Z | E CAP.    | 10μF 50V M    |             | C1831-32 | QETN1EM-476Z | E CAP.    | 47μF 25V M    |             |
| C1312            | NDC21HJ-680X | C CAP.    | 68pF 50V J    |             | C1833    | NDC21HJ-221X | C CAP.    | 220pF 50V J   |             |
|                  |              |           |               |             | C1834    | NCB21EK-104X | C CAP.    | 0.1μF 25V K   |             |

| △ Symbol No.     | Part No.     | Part Name | Description   |
|------------------|--------------|-----------|---------------|
| <b>CAPACITOR</b> |              |           |               |
| C1835            | NDC21HJ-220X | C CAP.    | 22pF 50V J    |
| C1836-38         | NCB21EK-104X | C CAP.    | 0.1μF 25V K   |
| C1839            | QETN1HH-106Z | E CAP.    | 10μF 50V M    |
| C1871            | NCB21EK-104X | C CAP.    | 0.1μF 25V K   |
| C1872            | NCB21HK-223X | C CAP.    | 0.022μF 50V K |
| C1873            | NDC21HJ-221X | C CAP.    | 220pF 50V J   |
| C1874-75         | NDC21HJ-150X | C CAP.    | 15pF 50V J    |
| C1876            | NCB21HK-102X | C CAP.    | 1000pF 50V K  |
| C1877            | NCB21EK-104X | C CAP.    | 0.1μF 25V K   |
| C1878            | NCB21HK-102X | C CAP.    | 1000pF 50V K  |
| C1879            | NCB21HJ-221X | C CAP.    | 220pF 50V J   |
| C1880            | QETN1AM-477Z | E CAP.    | 470pF 10V M   |
| C1881            | NCB21EK-104X | C CAP.    | 0.1μF 25V K   |
| C1882            | QETN1EM-476Z | E CAP.    | 47μF 25V M    |
| C1883            | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |
| C1885            | NCB21EK-104X | C CAP.    | 0.1μF 25V K   |
| C1886            | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |
| C1887-89         | QETN1HH-106Z | E CAP.    | 10μF 50V M    |

| <b>COIL</b>  |              |              |
|--------------|--------------|--------------|
| L1001        | QQL01BK-5R6Z | PEAKING COIL |
| L1002        | QQL01BK-270Z | PEAKING COIL |
| L1301-02     | QQL01BK-4R7Z | PEAKING COIL |
| L1305        | QQL244K-4R7Z | PEAKING COIL |
| L1501        | QQL244J-151Z | PEAKING COIL |
| L1701        | QQL01BK-4R7Z | PEAKING COIL |
| L1702        | QQL01BK-3R9Z | PEAKING COIL |
| L1871        | QQL01BK-4R7Z | PEAKING COIL |
| <b>DIODE</b> |              |              |
| D1301        | MA3051/M/-X  | ZENER DIODE  |
| D1302-04     | MA111-X      | SI.DIODE     |
| D1503        | R8100A-T2    | SI.DIODE     |
| D1602        | MA111-X      | SI.DIODE     |
| D1608-10     | MA111-X      | SI.DIODE     |
| D1612-13     | MA111-X      | SI.DIODE     |
| D1617-18     | MA3330/L/-X  | ZENER DIODE  |
| D1624-25     | MA111-X      | SI.DIODE     |
| D1701        | MA3068/M/-X  | ZENER DIODE  |
| D1702        | MA111-X      | SI.DIODE     |
| D1704        | MA111-X      | SI.DIODE     |
| D1705        | MA3036-X     | ZENER DIODE  |
| D1706-08     | MA111-X      | SI.DIODE     |
| D1710        | MA111-X      | SI.DIODE     |
| D1831        | MA3051/M/-X  | ZENER DIODE  |

| <b>TRANSISTOR</b> |                 |                 |
|-------------------|-----------------|-----------------|
| Q1301-02          | 2SA1037AK/QR/-X | SI.TRANSISTOR   |
| Q1309             | 2SC2412K/QR/-X  | SI.TRANSISTOR   |
| Q1310             | 2SA1037AK/QR/-X | SI.TRANSISTOR   |
| Q1311             | DTC124EKA-X     | DIGI.TRANSISTOR |
| Q1312             | 2SA1037AK/QR/-X | SI.TRANSISTOR   |
| Q1401             | DTC124EKA-X     | DIGI.TRANSISTOR |
| Q1402             | 2SC2412K/QR/-X  | SI.TRANSISTOR   |
| Q1601             | 2SA1037AK/QR/-X | SI.TRANSISTOR   |
| Q1602-03          | DTC323TK-X      | DIGI.TRANSISTOR |
| Q1604             | 2SA1037AK/QR/-X | SI.TRANSISTOR   |
| Q1609             | 2SA1037AK/QR/-X | SI.TRANSISTOR   |
| Q1610             | DTC323TK-X      | DIGI.TRANSISTOR |
| Q1612             | DTC323TK-X      | DIGI.TRANSISTOR |
| Q1613             | 2SA1037AK/QR/-X | SI.TRANSISTOR   |
| Q1614             | 2SC2412K/QR/-X  | SI.TRANSISTOR   |
| Q1701-04          | 2SC2412K/QR/-X  | SI.TRANSISTOR   |
| Q1705-06          | 2SA1037AK/QR/-X | SI.TRANSISTOR   |
| Q1707             | 2SC2412K/QR/-X  | SI.TRANSISTOR   |
| Q1708             | 2SA1037AK/QR/-X | SI.TRANSISTOR   |
| Q1709-10          | 2SC2412K/QR/-X  | SI.TRANSISTOR   |

| △ Symbol No.      | Part No.        | Part Name      | Description |
|-------------------|-----------------|----------------|-------------|
| <b>TRANSISTOR</b> |                 |                |             |
| Q1832-33          | 2SC2412K/QR/-X  | SI.TRANSISTOR  |             |
| Q1834             | 2SA1037AK/QR/-X | SI.TRANSISTOR  |             |
| Q1835-37          | 2SC2412K/QR/-X  | SI.TRANSISTOR  |             |
| Q1871             | 2SA1037AK/QR/-X | SI.TRANSISTOR  |             |
| Q1872             | 2SC2412K/QR/-X  | SI.TRANSISTOR  |             |
| <b>IC</b>         |                 |                |             |
| IC1301            | TB1227CN        | I.C.           |             |
| IC1302            | TC4053BP/N/     | I.C.(DIGI-MOS) |             |
| IC1501            | AN5441SA-W      | I.C.           |             |
| IC1551            | LA6515          | I.C.(MONO-ANA) |             |
| IC1601            | TA8246AH        | I.C.(HYBRID)   |             |
| IC1607            | TA78L005AP-T    | I.C.(H)        |             |
| IC1701            | M37280NK-104SP  | I.C.           |             |
| IC1702            | AT24C16-32WFT1  | I.C.           | (SERVICE)   |
| IC1703            | L78LR05E-MA     | I.C.(MONO-ANA) |             |
| IC1704            | JLC1562BF-X     | I.C.(DIGI-MOS) |             |
| IC1831            | JCC5035         | I.C.(DIGI-MOS) |             |
| IC1832            | MN1382/Q/-X     | I.C.(MONO-ANA) |             |
| IC1871            | ET417           | I.C.(M)        |             |
| IC1872            | ET206           | I.C.(N)        |             |

| <b>OTHERS</b> |              |                |              |
|---------------|--------------|----------------|--------------|
| CH1001        | QGF1216C1-25 | FFC CONNECTOR  |              |
| J1001         | QNN0296-001  | PIN JACK       |              |
| K1001-02      | CE41433-001Z | BEADS CORE     |              |
| K1004         | CE41433-001Z | BEADS CORE     |              |
| K1307         | CE41433-001Z | BEADS CORE     |              |
| K1601-02      | CE42681-001Y | BEADS CORE     |              |
| K1872         | CE41433-001Z | BEADS CORE     |              |
| LC1301        | CE42142-222Z | EMI FILTER     |              |
| TU1001        | QAU0189-001  | TUNER          |              |
| W1229         | NRSA02J-OROX | MG R           | 0.0Ω 1/10W J |
| W1232-33      | NRSA02J-OROX | MG R           | 0.0Ω 1/10W J |
| W1235-42      | NRSA02J-OROX | MG R           | 0.0Ω 1/10W J |
| W1245         | NRSA02J-OROX | MG R           | 0.0Ω 1/10W J |
| X1301         | QAX0305-001Z | CRYSTAL        |              |
| X1701         | CST8.00MTW   | CER. RESONATOR |              |
| X1831         | QAX0624-001Z | C RESONATOR    |              |
| X1871         | CE41257-001Z | CRYSTAL        |              |
| Y1611-13      | NRSA02J-OROX | MG R           | 0.0Ω 1/10W J |
| Y1618-19      | NRSA02J-OROX | MG R           | 0.0Ω 1/10W J |
| Y1871         | NRSA02J-OROX | MG R           | 0.0Ω 1/10W J |

### POWER & DEF. PW BOARD ASS'Y (SJK-2501A-U2)

Refer to PARTS LIST in page 63 for this P.W. board.

### CRT SOCKET PW BOARD ASS'Y (SJK-3501A-U2)

Refer to PARTS LIST in page 65 for this P.W. board.

### FRONT CONTROL PW BOARD ASS'Y (SJK-8501A-U2)

Refer to PARTS LIST in page 66 for this P.W. board.

### AV SEL. PW BOARD AS'Y (SJK0S901A-U2)

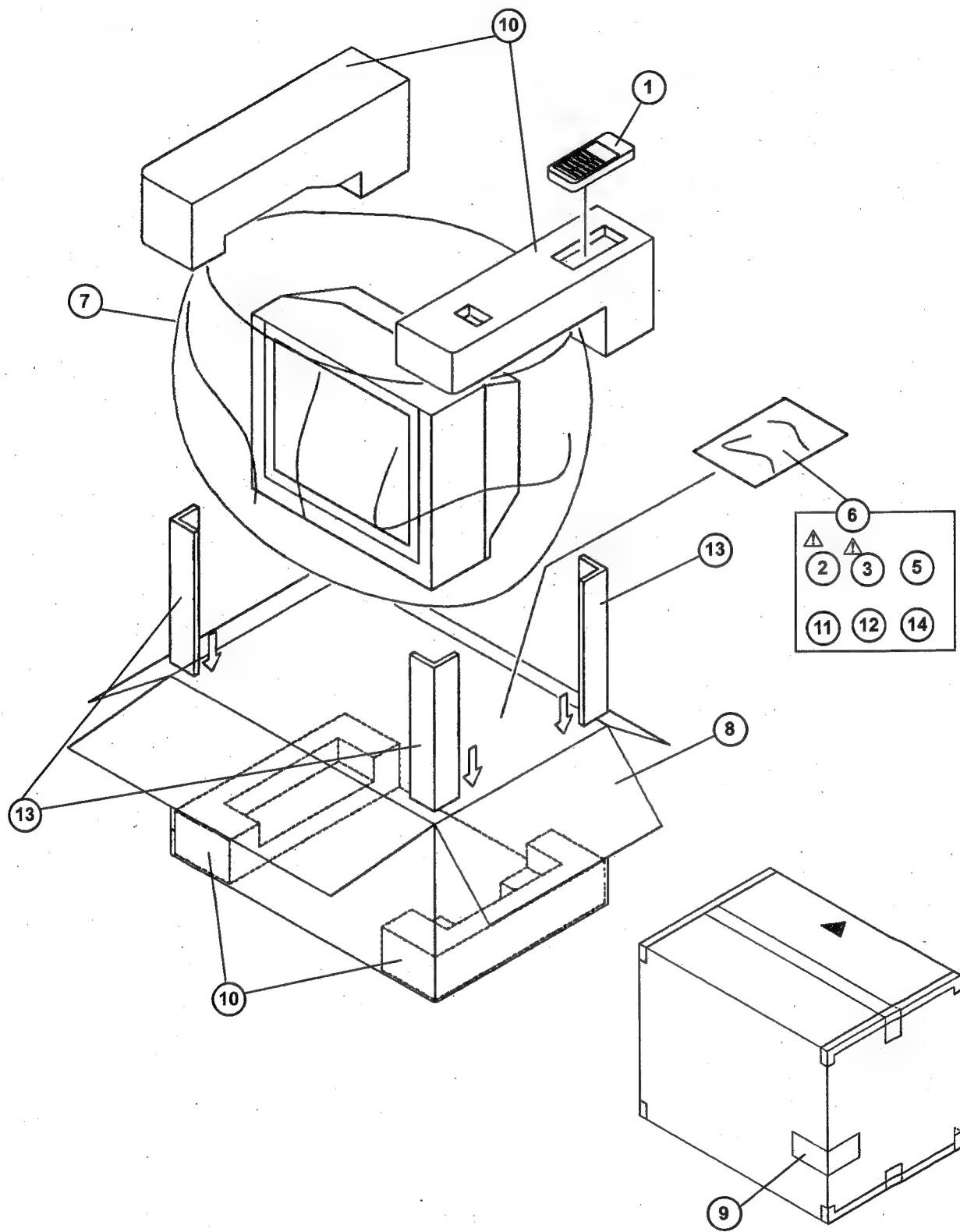
Refer to PARTS LIST in page 54 for this P.W. board.

AV-32WFT1EKS

AV-32WFT1EPG  
AV-32WFT1EPS  
AV-32WFT1EKS

## AV-32WFT1EPG / AV-32WFT1EPS / AV-32WFT1EKS

### PACKING



**AV-28WFT1EPG/EPS/EIS**

AV-28WFT1EPG/EPS/EIS

AV-28WFT1EKS/EK

AV-32WFT1EPG/EPS

AV-32WFT1EKS

**AV-28WFT1EKS/EK**

**AV-32WFT1EPG/EPS**

# **AV-32WFT1EKS STANDARD CIRCUIT DIAGRAM**

## **■ NOTE ON USING CIRCUIT DIAGRAMS**

### **1. SAFETY**

The components identified by the  symbol and shading are critical for safety. For continued safety replace safety critical components only with manufacturers recommended parts.

### **2. SPECIFIED VOLTAGE AND WAVEFORM VALUES**

The voltage and waveform values have been measured under the following conditions.

- (1) Input signal :PAL Colour bar signal  
 (2) Setting positions of each knob/button and variable resistor :Original setting position when shipped  
 (3) Internal resistance of tester :DC 20kΩ/V  
 (4) Oscilloscope sweeping time :H ⇒ 20μS/div  
     :V ⇒ 5mS/div  
     :Others ⇒ Sweeping time is specified  
 (5) Voltage values :All DC voltage values  
 \* Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

### **3. INDICATION OF PARTS SYMBOL [EXAMPLE]**

- In the PW board :R1209→R209

### **4. INDICATIONS ON THE CIRCUIT DIAGRAM**

#### **(1) Resistors**

##### **● Resistance value**

- No unit :[Ω]  
 K :[KΩ]  
 M :[MΩ]

##### **● Rated allowable power**

- No indication :1/10[W]  
 Others :As specified

##### **● Type**

- No indication :Carbon resistor  
 OMR :Oxide metal film resistor  
 MFR :Metal film resistor  
 MPR :Metal plate resistor  
 UNFR :Uninflammable resistor  
 FR :Fusible resistor

\* Composition resistor 1/2 [W] is specified as 1/2S or Comp.

#### **(2) Capacitors**

##### **● Capacitance value**

- 1 or higher :[pF]  
 less than 1 :[μF]

##### **● Withstand voltage**

- No indication :DC50[V]  
 AC indicated :AC withstand voltage [V]  
 Others :DC withstand voltage [V]

\* Electrolytic Capacitors

47/50[Example]:Capacitance value [μF]/withstand voltage[V]

|  |                                     |
|--|-------------------------------------|
| <b>● Type</b>  |                                     |
| No indication  | :Ceramic capacitor                  |
| MY   | :Mylar capacitor                    |
| MM   | :Metallized mylar capacitor         |
| PP   | :Polypropylene capacitor            |
| MPP  | :Metallized polypropylene capacitor |
| MF   | :Metallized film capacitor          |
| TF   | :Thin film capacitor                |
| BP   | :Bipolar electrolytic capacitor     |
| TAN  | :Tantalum capacitor                 |
| <b>(3) Coils</b>   |                                     |
| No unit  | :[μH]                               |
| Others   | :As specified                       |
| <b>(4) Power Supply</b>  |                                     |
|  | :B1                                 |
|  | :12V(B2)                            |
|  | :9V                                 |
|  | :5V                                 |
| *Respective voltage values are indicated   |                                     |
| <b>(5) Test point</b>  |                                     |
|     | :Test point                         |
|     | :Only test point display            |
| <b>(6) Connecting method</b>   |                                     |
|   | :Connector                          |
|   | :Wrapping or soldering              |
|  | :Receptacle                         |

#### **(7) Ground symbol**

-  :LIVE side ground  
 :ISOLATED(NEUTRAL) side ground  
 :EARTH ground  
 :DIGITAL ground

### **5. NOTE FOR REPAIRING SERVICE**

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (⊥) side GND and the ISOLATED(NEUTRAL) : (↔) side GND. Therefore, care must be taken for the following points.

(1) Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. If the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.

(2) Do not short between the LIVE side GND and the ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus (oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time. If the above precaution is not respected, a fuse or any parts will be broken.

◇ Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.

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**POWER & DEF PWB PATTERN** ..... 2-21

**AV SEL. PWB PATTERN** ..... 2-23

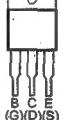
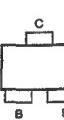
**CRT SOCKET PWB PATTERN** ..... 2-25

**FRONT CONTROL PWB PATTERN [AV-28WFT1EPG / EPS / EIS / EKS / EK]** ..... 2-27

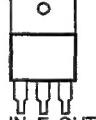
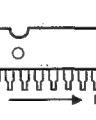
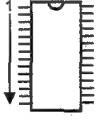
**FRONT CONTROL PWB PATTERN [AV-32WFT1EPG / EPS / EKS]** ..... 2-29

## SEMICONDUCTOR SHAPES

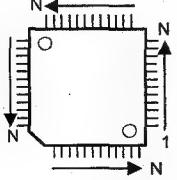
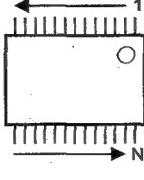
### TRANSISTOR

| BOTTOM VIEW   | FRONT VIEW  |   |   |  | TOP VIEW<br>CHIP TR   |
|---|---|---|---|--|---|
|   |   |   |   |  |   |
|  |  |  |  |  |  |

### IC

| BOTTOM VIEW   | FRONT VIEW  |   |  |   | TOP VIEW |
|---|---|---|--|---|----------|
|   |   |   |  |   |          |
|  |  |  |  |  |          |

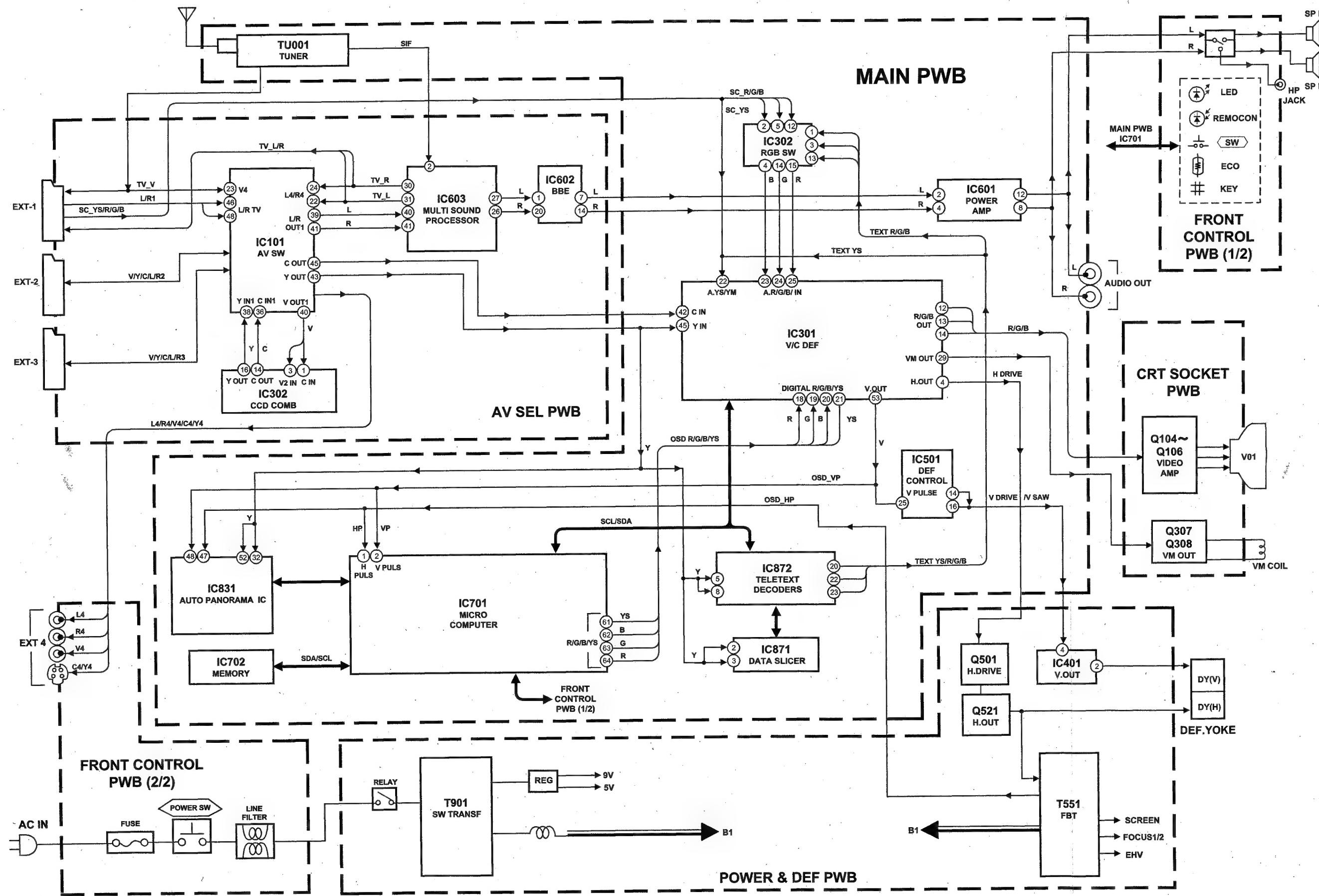
### CHIP IC

| TOP VIEW  |   |  |
|---|---|--|
|  |  |  |

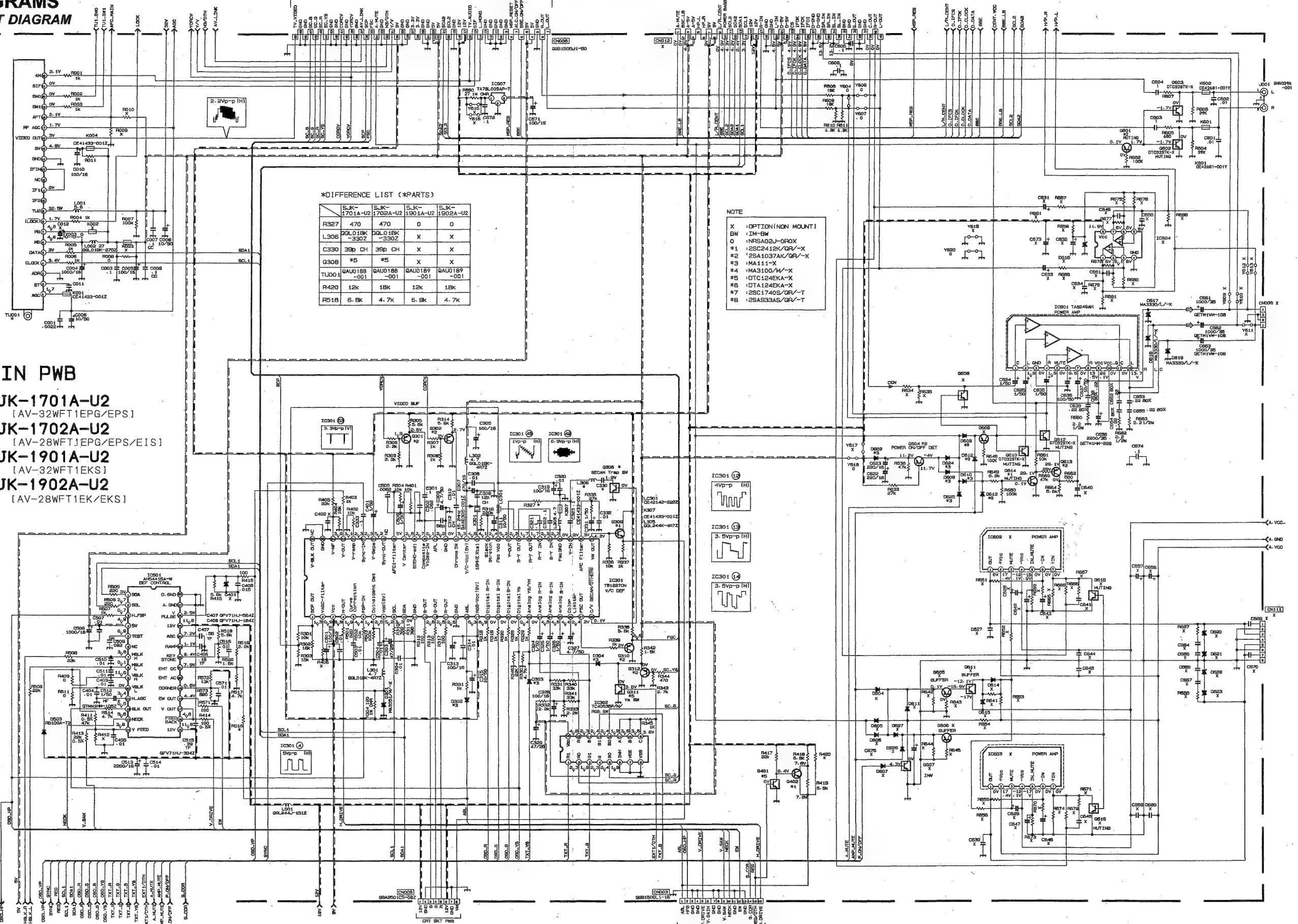
AV-28WFT1EPG/EPS/EIS  
AV-28WFT1EKS/EK  
AV-32WFT1EPG/EPS  
AV-32WFT1EKS

AV-28WFT1EPG/EPS/EIS  
AV-28WFT1EKS/EK  
AV-32WFT1EPG/EPS  
AV-32WFT1EKS

## BLOCK DIAGRAM



**CIRCUIT DIAGRAMS**  
**MAIN PWB CIRCUIT DIAGRAM**



No.51694

2-5

2-6

No.51694

## MAIN PWB

**SJK-1701A-U2**  
[AV-32WFT1EPG/EPS]

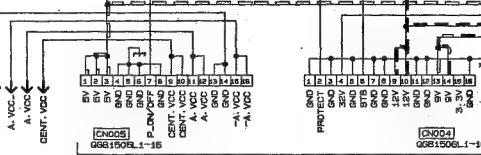
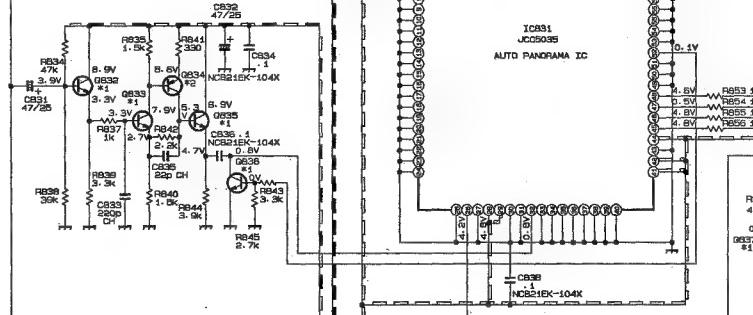
**SJK-1702A-U2**  
[AV-28WFT1EPG/EPS/EIS]

**SJK-1901A-U2**  
[AV-32WFT1EKS]

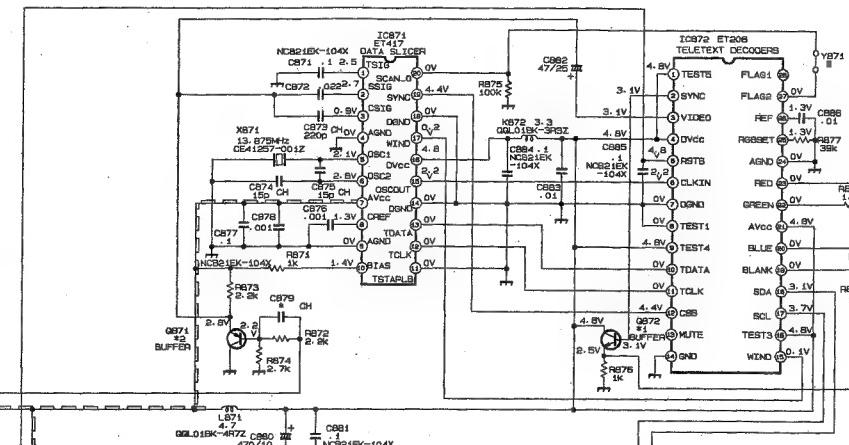
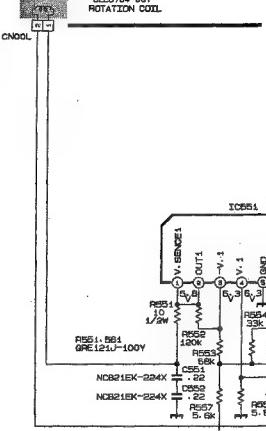
**SJK-1902A-U2**  
[AV-28WFT1EKS/EK]

**NOTE**

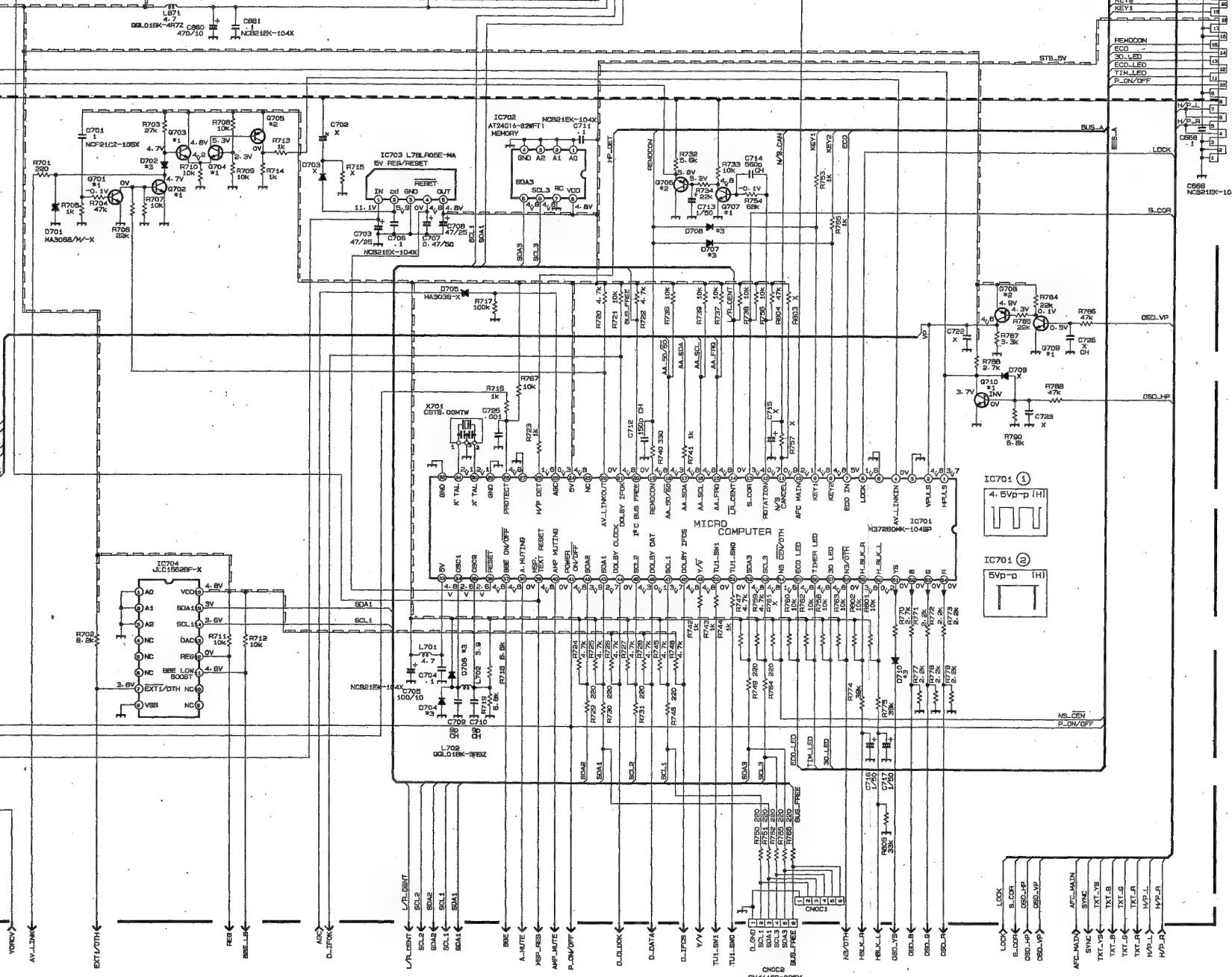
- X : OPTION(NON MOUNT)
- BW : IM-BW
- O : INSA02J-0R0X
- \*1 : 2SC2412K/GP/-X
- \*2 : 2SA1037AK/GP/-X
- \*3 : MA111-X
- \*4 : MA3100/M/-X
- \*5 : DTC124EKA-X
- \*6 : DTA124EKA-X
- \*7 : 2SC1740S/GP/-T
- \*8 : 2SA833AS/GP/-T



No.51694



2-7

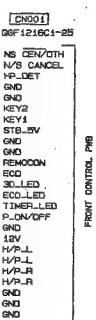


2-8

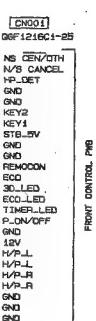
No.51694

| *DIFFERENCE LIST (*PARTS) |              |              |              |
|---------------------------|--------------|--------------|--------------|
| SJK-1701A-U2              | SJK-1702A-U2 | SJK-1901A-U2 | SJK-1902A-U2 |

C879 18p 18p 220p 220p



FRONT CONTROL PWB

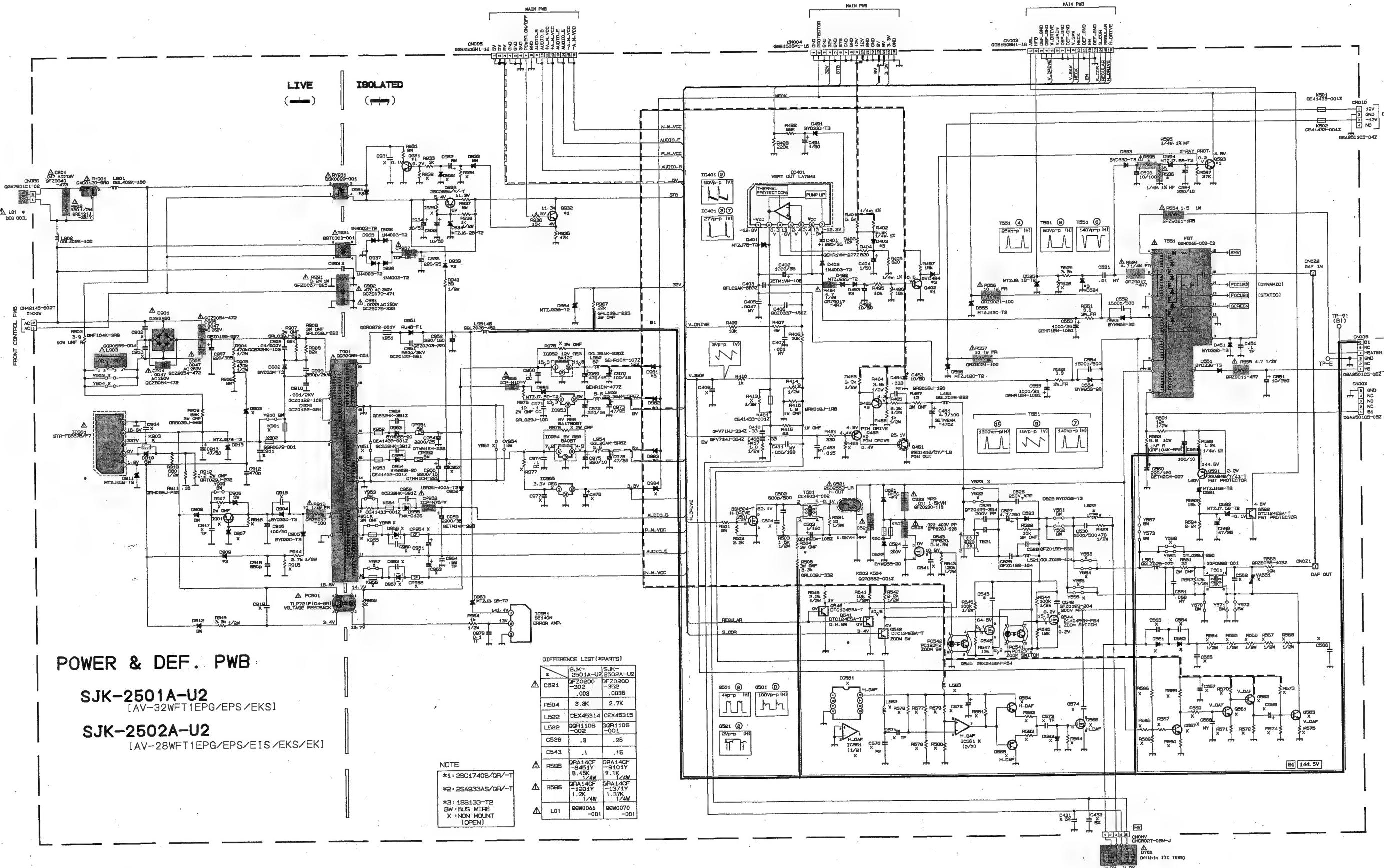


FRONT CONTROL PWB

AV-28WFT1EPG/EPS/EIS  
AV-28WFT1EKS/EK  
AV-32WFT1EPG/EPS  
AV-32WFT1EKS

AV-28WFT1EPG/EPS/EIS  
AV-28WFT1EKS/EK  
AV-32WFT1EPG/EPS  
AV-32WFT1EKS

## **POWER & DEF PWB CIRCUIT DIAGRAM**



## POWER & DEF. PWB

SJK-2501A-U2

[AV-32WFT1EPG/EPSS/EKS]

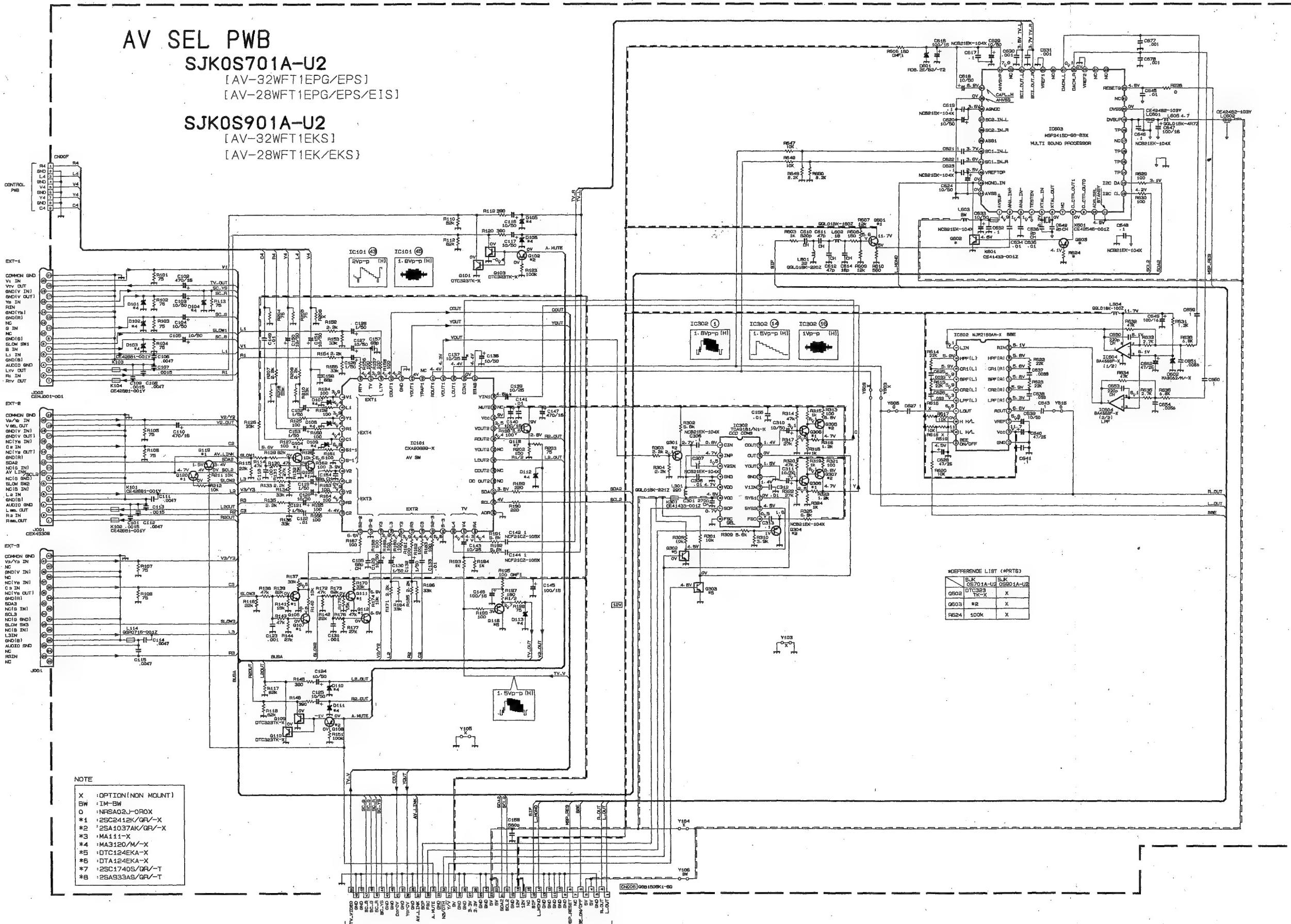
SJK-2502A-U2

[AV-28WFT1EPG/EP5/EIS/EKS/EK]

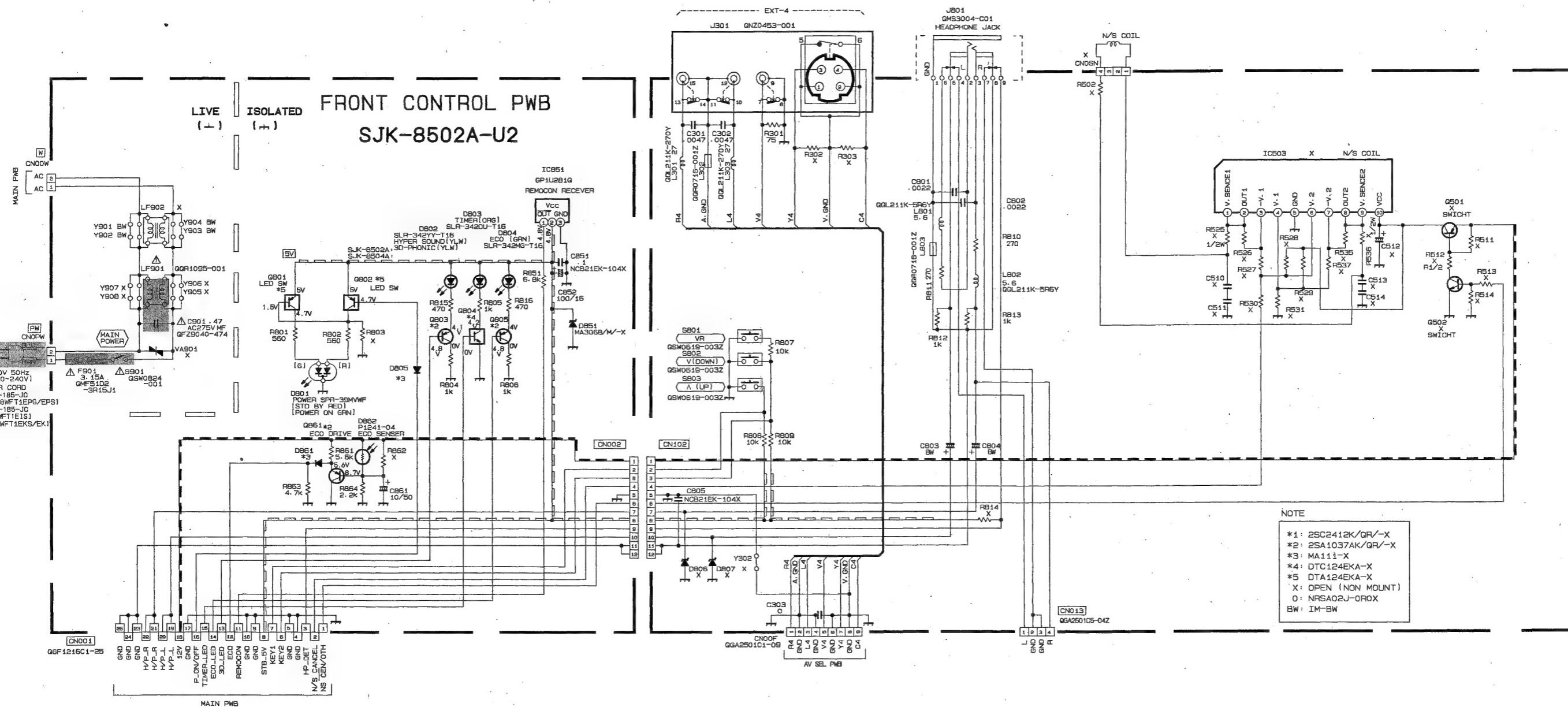
**NOTE**

|                       |
|-----------------------|
| *1: 2SC1740S/GRV-T    |
| *2: 2SA933AS/GRV-T    |
| *3: 1SS133-T2         |
| BW:BUS WIRE           |
| X:NON MOUNT<br>[OPEN] |

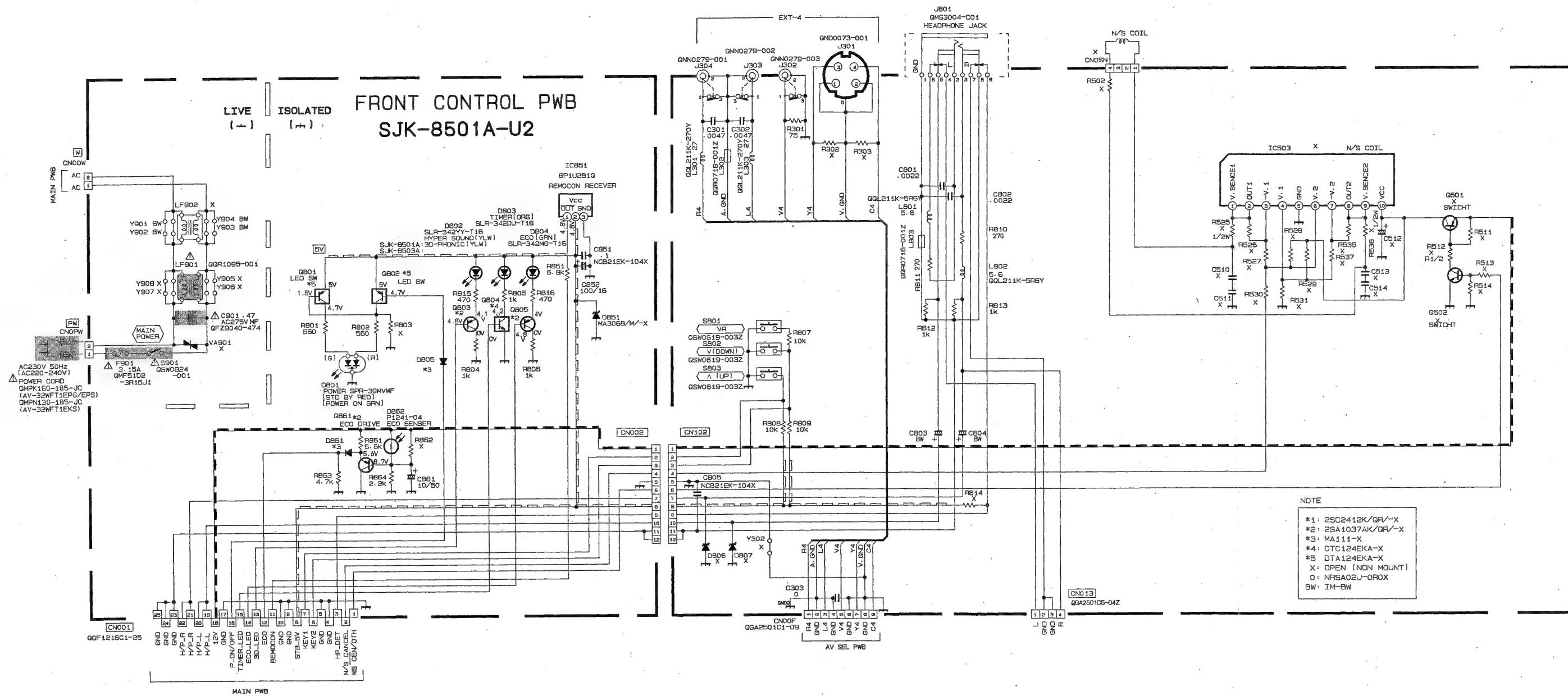
AV SEL. PWB CIRCUIT DIARAM



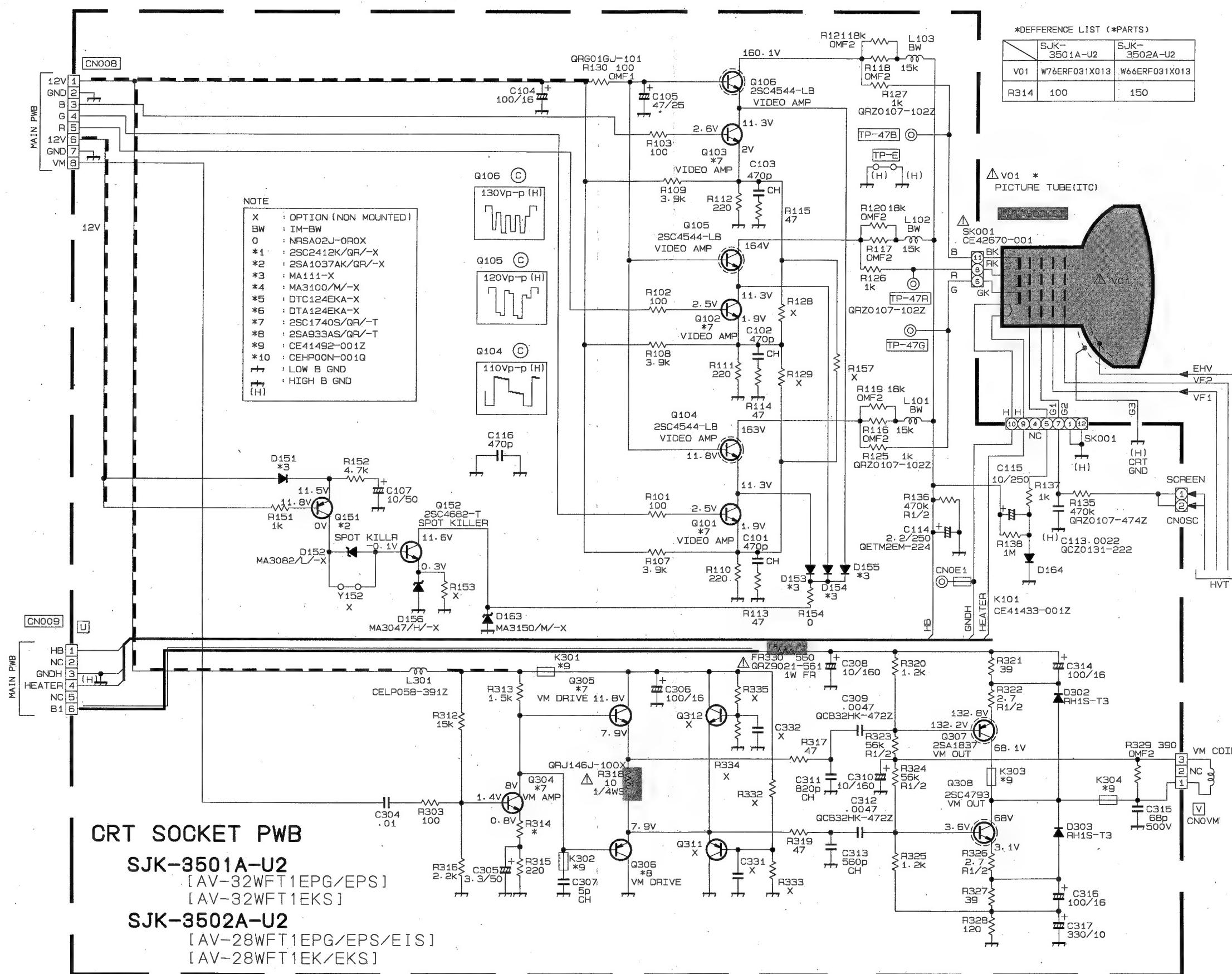
FRONT CONTROL PWB CIRCUIT DIAGRAM [AV-28WFT1EPG / EPS / EIS / EKS / EK]



## FRONT CONTROL PWB CIRCUIT DIAGRAM [AV-32WFT1EPG / EPS / EKS]



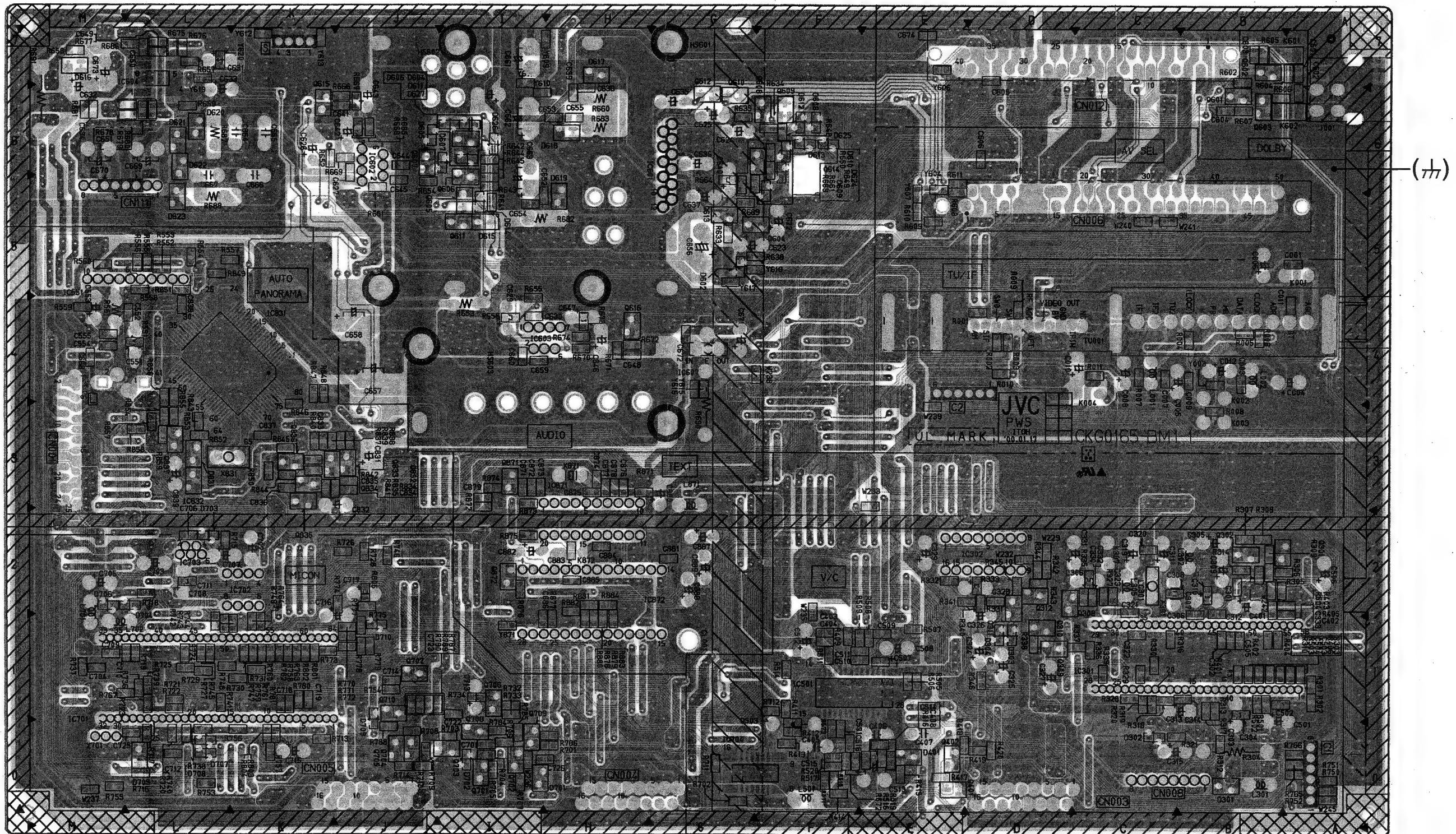
CRT SOCKET PWB CIRCUIT DIAGRAM



**PATTERN DIAGRAMS**  
MAIN PWB PATTERN

AV-28WFT1EPG/EPS/EIS  
AV-28WFT1EKS/EK  
AV-32WFT1EPG/EPS  
AV-32WFT1EKS

AV-28WFT1EPG/EPS/EIS  
AV-28WFT1EKS/EK  
AV-32WFT1EPG/EPS  
AV-32WFT1EKS

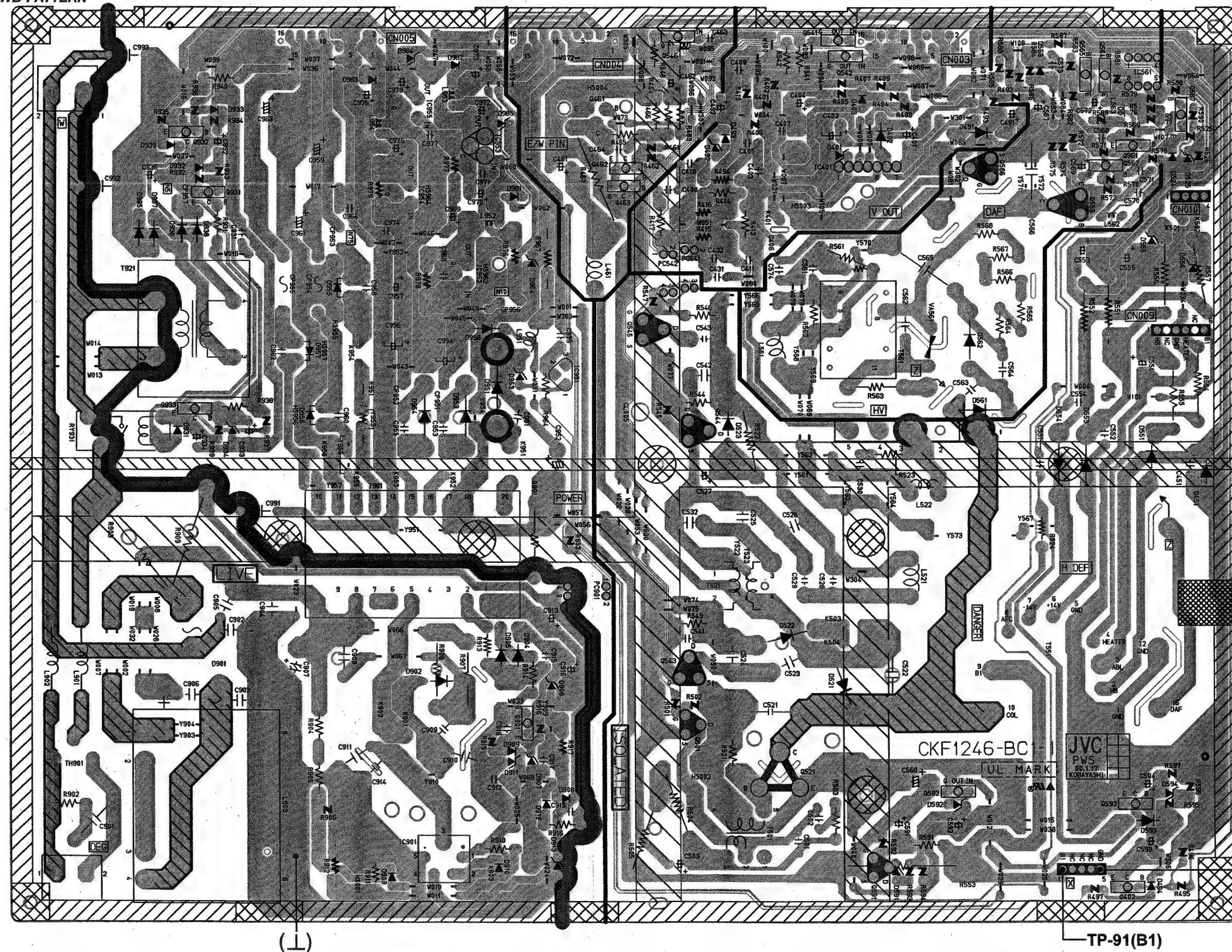


AV-28WFT1EPG/EPS/EIS  
AV-28WFT1EKS/EK  
AV-32WFT1EPG/EPS  
AV-32WFT1EKS

AV-28WFT1EPG/EPS/EIS  
AV-28WFT1EKS/EK  
AV-32WFT1EPG/EPS  
AV-32WFT1EKS

**POWER & DEF PWB PATTERN**

FRONT



No.51694

2-21

2-22

No.51694

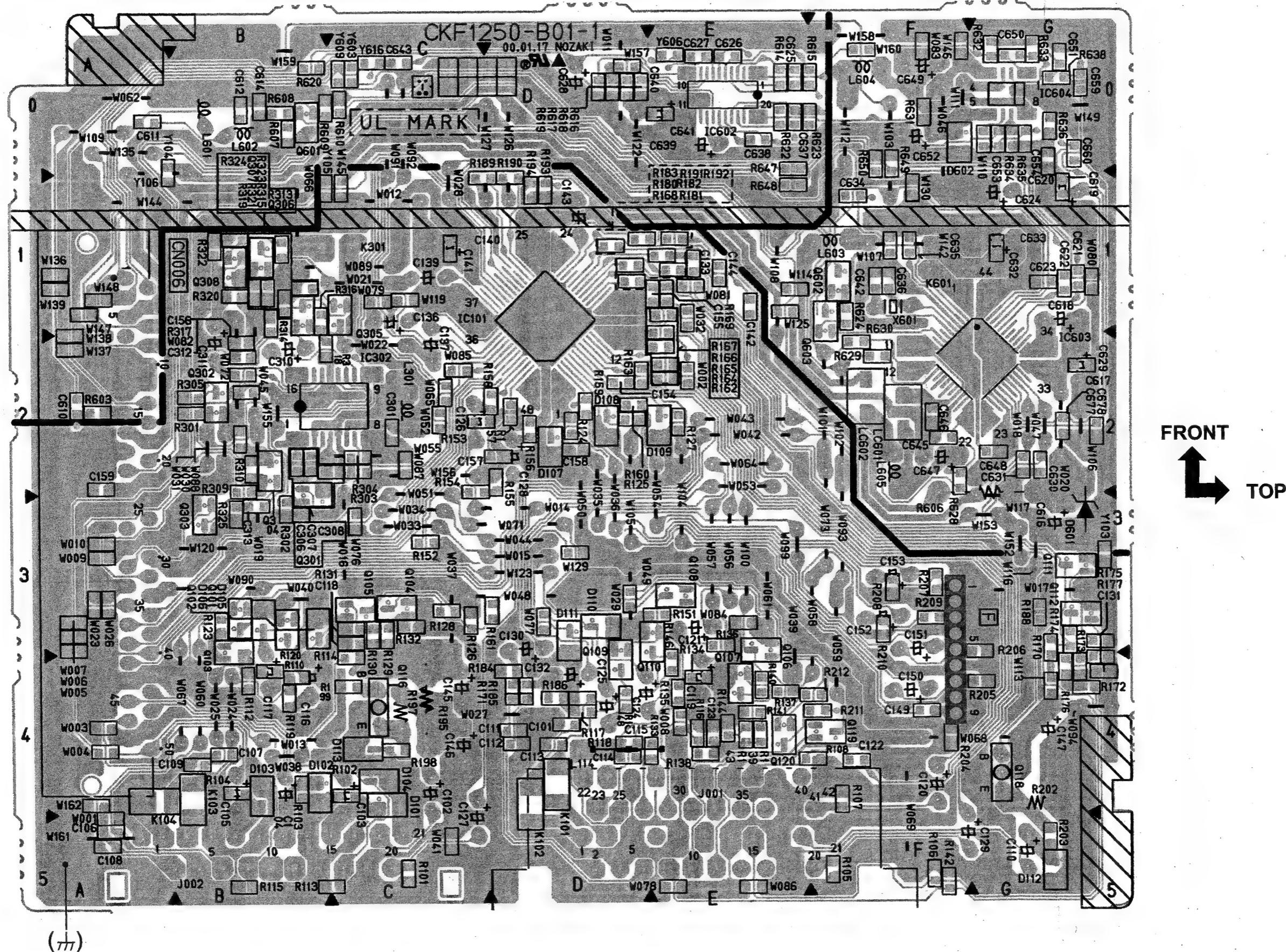
TP-91(B1)

TP-E  
(+)

AV-28WFT1EPG/EPS/EIS  
AV-28WFT1EKS/EK  
AV-32WFT1EPG/EPS  
AV-32WFT1EKS

AV-28WFT1EPG/EPS/EIS  
AV-28WFT1EKS/EK  
AV-32WFT1EPG/EPS  
AV-32WFT1EKS

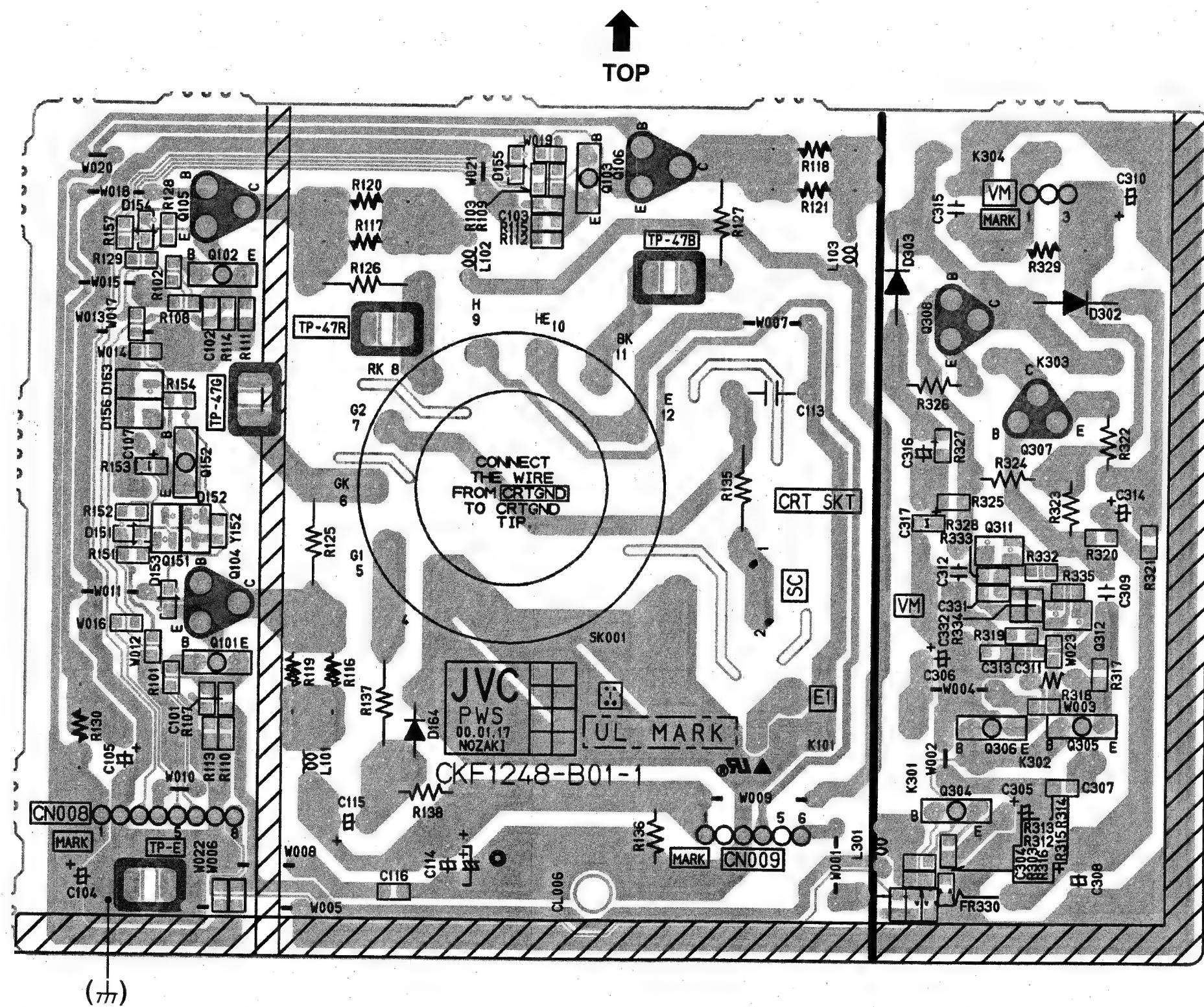
#### **AV SEL. PWB PATTERN**



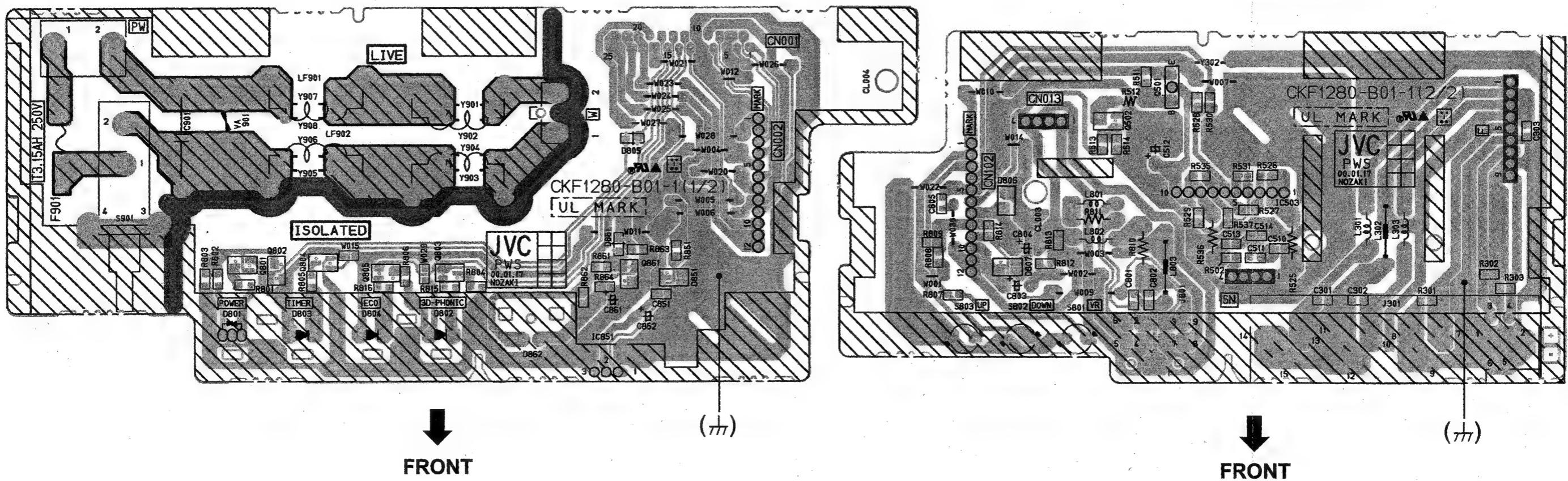
CRT SOCKET PWB PATTERN

AV-28WFT1EPG/EPS/EIS  
AV-28WFT1EKS/EK  
AV-32WFT1EPG/EPS  
AV-32WFT1EKS

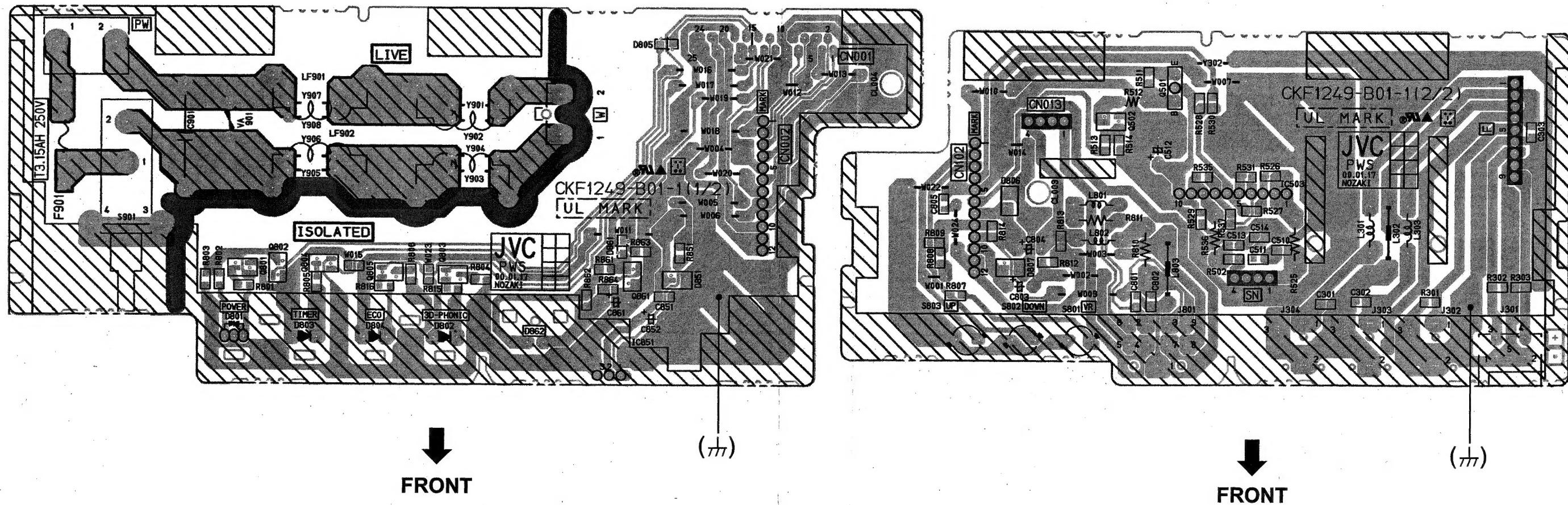
AV-28WFT1EPG/EPS/EIS  
AV-28WFT1EKS/EK  
AV-32WFT1EPG/EPS  
AV-32WFT1EKS



**FRONT CONTROL PWB PATTERN [AV-28WFT1EPG / EPS / EIS / EKS / EK]**



**FRONT CONTROL PWB PATTERN [AV-32WFT1EPG / EPS / EKS]**



# JVC

## SERVICE MANUAL

### COLOUR TELEVISION

**AV-28WFT1EKS / AV-32WFT1EKS  
 AV-28WFT1EPG / AV-32WFT1EPG  
 AV-28WFT1EPS / AV-32WFT1EPS  
 AV-28WFT1EIS**

|               |
|---------------|
| BASIC CHASSIS |
| JK            |

Supplementary

Since some details of the AV-28WFR1EKS, EPG, EPS, EIS, EK / AV-32WFR1EKS, EPG, EPS service manual (No.51694 Feb. 2000) were changed, we are informing you of these changes and of the new descriptions.

#### 1. OUTLINE OF CHANGE

To improve CRT performance, CRT manufacturer has changed location of VM coil wire connector on the CRT neck.

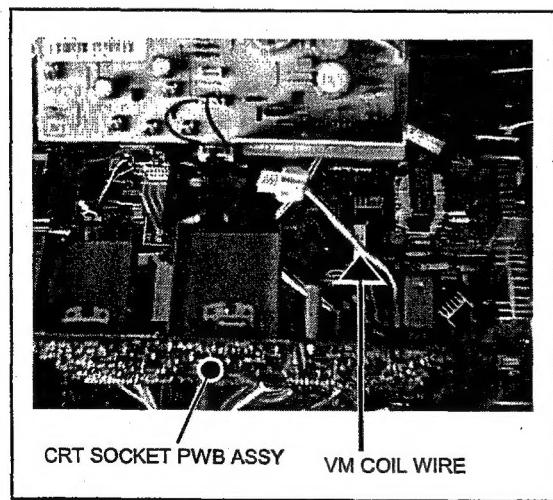
When changing CRT from old to new type, it is necessary to add extension cable CHHB03-100R-SA, between CRT SKT PCB and new VM coil connector.

When ordering replacement CRT, Please order CHHB03-100R-SA at same time.

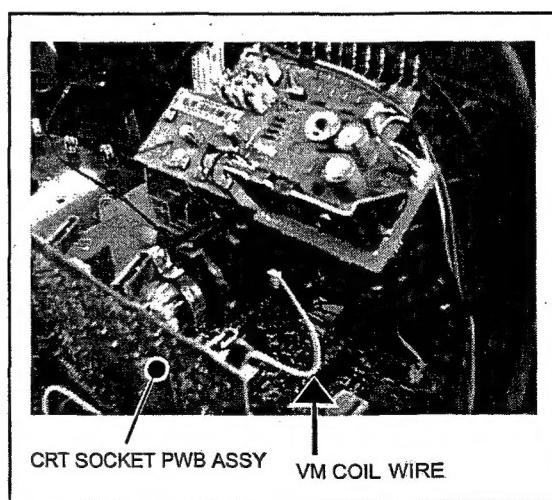
#### 2. HOW TO IDENTIFY MODEL (CRT : W66ERF031X013 [28inch] / W76ERF031X013 [32inch])

Old type: Has a short VM wire, coming from the CRT VM PCB/Coil Assy for connecting to CRT PCB VM coil wire.

New type: VM coil wire is connected directly into the right hand side of CRT neck.



[Fig.1]



[Fig.2]

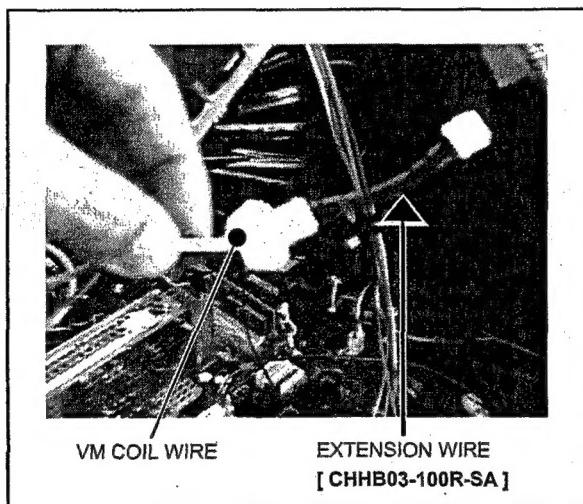
### 3. LIST OF NEW TYPE CRT USING LONGER VM COIL WIRE (No need to add additional extension wire)

All sets listed before the serial numbers below require additional extension wire.

| Model name   | Start serial number (New long VM wire) |
|--------------|--|
| AV-28WFT1EKS | 105 * 6531 Onwards                     |
| AV-28WFT1EPG | 115 * 0611 Onwards                     |
| AV-28WFT1EPS | 105 * 3821 Onwards                     |
| AV-28WFT1EIS | 135 * 0201 Onwards                     |
| AV-32WFT1EKS | 145 * 2531 Onwards                     |
| AV-32WFT1EPG | 155 * 1306 Onwards                     |
| AV-32WFT1EPS | 155 * 2926 Onwards                     |

### 4. METHOD FOR CHANGING, FROM OLD TO NEW CRT TYPE

- ① Order CHHB03-100R-SA, at the same time as CRT.
- ② Attach one end of CHHB03-100R-SA, to VM coil Wire. (See Fig 3)
- ③ Insert opposite end of CHHB03-100R-SA wire, into CRT's VM coil wire connection. (See Fig 2)



[Fig.3]

**JVC**

VICTOR COMPANY OF JAPAN, LIMITED

HOME AV NETWORK BUSINESS UNIT 1106 Heta, Iwai-city, Ibaraki-prefecture, 306-0698, Japan

AV28WFT1EKSU #12 AV28WFT1EPMU #11 AV28WFT1EPSU #9  
AV28WFT1EISU #5 AV32WFT1EKS #8  
AV32WFT1EPG #9 AV32WFT1EPS #10

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MS

Printed by: Schaltungsdiest Lange, Berlin (GERMANY)

## PACKING PARTS LIST

### AV-32WFT1EPG

| △ Ref.No. | Part No.       | Part Name     | Description                 |
|-----------|----------------|---------------|-----------------------------|
| 1         | RM-C50-1C      | REMOCON UNIT  |                             |
| 2         | LCT0619-001A-U | INST BOOK     | For ENG/GER/FRA/NED/ITA/ESP |
| 3         | LCT0620-001A-U | INST BOOK     | For FIN/NOR/DEN/SWE/POR     |
| 5         | BT-54013-1E    | WARRANTY CARD |                             |
| 6         | AEM3021-001-E  | POLY BAG      |                             |
| 7         | AEM1047-002-E  | POLY BAG      |                             |
| 8         | AEM1002-065-E  | PACKING CASE  |                             |
| 9         | AEM1039-071-E  | EURO LABEL    |                             |
| 10        | LC10384-002C-U | CUSHION ASSY  | 4pcs in 1set                |
| 11        | AEM1051-001-E  | X-RAY CARD    |                             |
| 12        | 2832WFT1-HSAE  | S.DIAGRAM     | ONLY ITALY(SERVICE)         |
| 13        | AEM3119-001-E  | CORNER POST   | (×4)                        |

### AV-32WFT1EPS

| EXPLODED VIEW (PACKING) PARTS LIST |                |               |                             |
|------------------------------------|----------------|---------------|-----------------------------|
| △ Ref.No.                          | Part No.       | Part Name     | Description                 |
| 1                                  | RM-C50-1C      | REMOCON UNIT  |                             |
| 2                                  | LCT0619-001A-U | INST BOOK     | For ENG/GER/FRA/NED/ITA/ESP |
| 3                                  | LCT0620-001A-U | INST BOOK     | For FIN/NOR/DEN/SWE/POR     |
| 5                                  | BT-54013-1E    | WARRANTY CARD |                             |
| 6                                  | AEM3021-001-E  | POLY BAG      |                             |
| 7                                  | AEM1047-002-E  | POLY BAG      |                             |
| 8                                  | AEM1002-065-E  | PACKING CASE  |                             |
| 9                                  | AEM1039-077-E  | EURO LABEL    |                             |
| 10                                 | LC10384-002C-U | CUSHION ASSY  | 4pcs in 1set                |
| 11                                 | AEM1051-001-E  | X-RAY CARD    |                             |
| 12                                 | 2832WFT1-HSAE  | S.DIAGRAM     | ONLY ITALY(SERVICE)         |
| 13                                 | AEM3119-001-E  | CORNER POST   | (×4)                        |

### AV-32WFT1EKS

| △ Ref.No. | Part No.       | Part Name     | Description  |
|-----------|----------------|---------------|--------------|
| 1         | RM-C51-1C      | REMOCON UNIT  |              |
| 2         | LCT0621-001A-U | INST BOOK     |              |
| 5         | BT-54013-1E    | WARRANTY CARD |              |
| 6         | AEM3021-001-E  | POLY BAG      |              |
| 7         | AEM1047-002-E  | POLY BAG      |              |
| 8         | AEM1002-065-E  | PACKING CASE  |              |
| 9         | AEM1039-073-E  | EURO LABEL    |              |
| 10        | LC10384-002C-U | CUSHION ASSY  | 4pcs in 1set |
| 13        | AEM3119-001-E  | CORNER POST   | (×4)         |
| 14        | AEM3148-001-E  | REG. CARD     |              |